

SivaRamaKrishna Movva

(Native Cloud Applications Architect)

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At a glance:

Please visit my online profiles ([SivaRamaKrishna Movva](#)). [Github](#)

Experience:

Having 16+ years of full stack experience with different tech stack and functional domains and different software life cycle areas.

1. A file sync application across the document storage services
2. TeleHealth solution for COVID pandemic
3. Decision support system based on survey
4. Solution to manage financial goals of an employee.
5. US Health Insurance Billing Solution
6. DICOM Imaging Solution
7. Migration to AWS cloud and Re-Platform to modern web Tech stack
8. Cloud Migration to AWS and Re-platform to new stack
9. Decision support system for Health Care Providers
10. Multi-Tenant Web Application Framework for Hospitals resource management.
11. ASP.NET MVC based framework for Information Management
12. ASP.NET Web API based framework for suit of HR Applications.
13. ASP.NET MVC based framework for Commodity Handling Solution
14. Web and Integration framework for Master Data Management
15. Web Application Framework for Commercial Auto insurance products.
16. Mobile web application framework for Insurance product.
17. Web Application Framework for Health Media.
18. Multi-tenant Web Application Framework for a suite of financial products.
19. AJAX Based Web Framework for Microfinance Banking Product.
20. Windows Forms Application Framework for Hospital ERP product.

- **Hands on with following technical skills**

UI/Web Development	Angular 4-10, React, ASP.NET, MVC, MVVM (KnockOut.js, Angular, React), MVP, WPF (very less), HTML5, CSS3, JavaScript, jQuery, Bootstrap, LESS, Infragistics, Telerik, SPA, Responsive UI, TypeScript, Sync fusion, React,
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	Flutter, Material, Responsive design, Search Engine Optimization, Server-Side Rendering
Database Servers /Tools	SQL Server, Oracle, PostgreSQL, Entity Framework core, nHibernate, Spring Boot, JPA, QueryDSL, Hibernate, ADO.net, LINQ, Dynamic LINQ, TOAD, Auto Mapper, NoSQL, DynamoDB, DocumentDB, MongoDB, mongoose
Programming Languages	C#, VB (very less), JavaScript, html5, T-SQL, PL/SQL, XML, XSLT, TypeScript, Groovy Script (Not Much, did for Jenkins pipeline), Dart, PYTHON, JAVA, Bit into PHP
CI/CD	AWS Code build, Code Deploy, AWS CLI, AWS ELB, Code Pipeline, CloudFormation, CC.NET, TFS, Bamboo, Jenkins, Nant, MS Build Tools, MS Deploy,
Source Control	VSS, TFS, SVN, Surround, GitHub, Bit Bucket, GitLab
SOA	Web Services, WCF, Micro Services, REST
BI / ETL / Reporting	SSIS, SSIS API, SSRS, SSRS API
EAI	BizTalk, ESB, NServiceBus, RabbitMQ, Mass Transit,
Hosting	AWS CloudFront, ECS, Fargate, Kubernetes, EC2, IIS, Owin, Apache, Tomcat, WildFly, .Net core kestrel,
TDD	NUnit, Postman, VSTS, nSubstitute, Moq
Patterns & Practices / Tools	DI, IOC (Autofac, Unity, Castle Windsor Spring Boot, .net core), SOA, Micro Services, MVC, MVP, MVVM, N-Tier, OOAD, SOLID Principles, Design Patterns, Multi-tenant design, Solution Architecture, NFRs, Cloud Patterns (SAAS, PAAS, IAAS)
AWS Cloud	VPN, EC2, RDS, Elastic Cache (Redis), Connect (Call center), kinesis video streams with WebRTC, Lambda, API gateway, Cognito, Amplify, code pipeline, ECS, ECR with docker, Fargate, Certificate manager, autoscaling, load balancing, CloudWatch logs, EFS, Cloud front, S3, Route 53, Secrets Manager, Aurora, light sail (word press), SES, Work mail, SNS, Pinpoint, Cloud 9 editor, Code build, code deploy, code pipeline, code commit, Textract, Cloud formation, ELB, EFS, Cloud Trail, Migration Services,

Mobile/Hybrid App Development	Android, IOS, Ionic (Capacitor), Flutter, Dart, Ionic capacitor plugins (bluetooth printer), flutter plugins. Electron
Miscellaneous	AzMan, POCO Generators, Hibernating Rhinos entity framework profiler, JSON, ANTS Profiler, SSO, OAuth2, JWT, Excel Data Readers, Agile, StyleCop, Reflector, WebSphere MQ, MSMQ, IVR (CTI-32), Redis cache, Angular Material. Web Sockets, Socket.io, WebRTC, Dynamic web twain, Entity framework second level cache, visual studio code. Android Studio, Twilio, HASURA for GraphQL(PostgreSQL), Nodejs, NVM, jBPM, Drools, json rules engine, xstate, postman, WCF client, Win SCP, Putty, Puttygen, Heroku

- Good at architecting for cloud based modern web applications, middle tier, ETL, Reporting
- Good at identifying NFRs, cross cutting features, architecting for Multi-tenant (SaaS) apps and their implementation
- Good at implementing latest and best security methodologies at all tiers and layers
- Good at providing cost effective cloud solutions
- Good at 12 Factor App Principles and Cloud-Native Microservices
- Best at demonstrating the product portfolio, pitch preparation to on board new clients.

Expertise:

- Provided secure, cost effective AWS, Azure (not much), Heroku cloud-based solutions.
- From the scratch development of Enterprise Applications.
- Can do both windows and web applications.
- Best in application/solution architecture and choosing best patterns, tools & approaches.
- Good at enterprise application integration (EAI).
- Proficient in providing best designs as I have worked on many technology areas.
- Having proficiency in Database design, SQL Programming
- Extensive experience in developing Microsoft BizTalk 2006 R2.
- BizTalk design best practices and BizTalk design patterns
- Good understanding on BizTalk BAM, BizTalk rules engine and BizTalk ESB Toolkit, but not used much
- Experience in BizTalk Scaling Architecture, implementation, and maintenance
- Hands On experience in delivering Integration Solutions with BizTalk, WCF (IIS7) and SSIS

- Had given innovative solutions for SSRS reporting services which are not available out of the box.
- Had given an excellent solution with SSRS reports automation with SSIS, WCF where I achieved reusability, multitenancy to various client applications.
- Designed innovative solutions for scheduler (SQL Based) for BizTalk Application
- Flexible to work on existing frameworks.
- Superior problem solving and analytical skills
- Excellent communication (written and oral) and interpersonal skills
- Proven situations in effective communication.
- Ready to learn new things, quick learning, good team player, mentor & lead
- Coordinated with teams from different geographic locations.
- Proven situation of best coordination & effective communication with Business Team
- Worked on Products to support BPO operations
- Good at using tools for troubleshooting, debugging, fast coding tools like Reflector, XSLT debuggers, XSD editors, code comparers, SQL profiler, Script debuggers, SQL debugging.
- TDD with VSTS and NUnit
- Have good knowledge on networking, which helps me sometimes to understand deployment environments and Virtual IP load balancers etc.

BizTalk:

6 years of hands-on experience in development, deployment, and maintenance.

Following are the artifacts I have worked on:

- Custom pipelines, custom pipeline components, SQLAdapter, MQseriesAdapter, FTP Adapter, WCFnetTCPAdapter, WCFwsHttpAdapter, WCFNetPipeAdapter, FileAdapter
- Orchestrations, Correlation sets, Hosts, Host instances, Versioning of schemas. Isolation of schemas. Send ports (dynamic, static). Binding (direct binding, static binding). Role Links. Exporting and importing bindings. Distinguished fields. Promoted properties. Pipeline context properties with property bags. Changing input message stream.
- Serializable class, Construct Message, Message Assignment, Expression, Scope, Compensate, Send, Receive, Transform, Decide,
- Mappings, functoids, loop, call orchestration, multipart messages, orchestration messages, orchestration variables, xpath message assignment, Content based routing. Failed message routing. Filters receive ports and receive shapes.
- Development of ESB Itinerary Orchestrations. Have an idea.

- SSO for configuration store. Used SSL certificate in WCF send ports with configured soap action. Reader Quotas and timeout configuration in WCF ports. Accessing external resources from pipeline components like XSLT files and writing to different locations. Accessing IBM MQ messages from pipeline components using IBM MQ library.
- Tracking, enabling, and disabling at port level, host level and total environment level.
- Basic Idea on Convoys, BRE and BAM. Not much hands on. Not used much, but clear with concepts on these.
- Pipeline debatching. Debatching in orchestration. Document Schema Envelope schema.
- Generated schemas. Exposing orchestration, Schema as web/WCF service.
- HAT to debug, best at understanding error messages in suspended instances. Orchestration debugging, visual studio debugging.
- Deployments using BTS Task to create and delete applications and add BizTalk assemblies into resources.

Service poller: Based on schedule, need to invoke respective registered service component (SSIS package/Assembly method/SQL SP/BizTalk Orchestration)

Data poller: Watching for Data feeds from various channels of Flat files.

Message Broker: dynamically exchange messages between systems using CBR.

Pipeline components: To watch file locations, to do XSLT transformation, to read MQ Series Queues in dynamic solicit response ports of MQSC adapter, to bypass large files and stopping file to go inside message box, to achieve custom debatching.

BI

I have delivered excellent solutions in both SSIS and SSRS.

SSIS:

1. Creating packages, Custom Logging component, Logging via dtsEvents. This is an excellent solution to our multi-client requirement.
2. Data flow task, Script task (VB.NET, C#.net), Process task (32-bit, 64 bit), Execute SQL task. Transformation tasks. Script component as destination task and transformation task.
3. Has ideas on checkpoints. Not actually coded.

4. Connection managers, Variables. Annotations in package. Assigning values to variables while invoking a package via SSIS object model.
5. Invoking the same SSIS package with different execution contexts at the same time in parallel for ETL tasks with dynamic data sources (configured and different for every client).
6. Triggering execution of SSIS package from BizTalk and SQL agent Jobs.
7. Call WCF service via proxy created in the script component.

SSRS:

1. Design reports, Rendering with API call.
2. Drill down reports. Hyperlinks in reports with JavaScript. Nested reports.
3. Report execution services, Report manager. Administration. Summary reports.
4. Report Data Sources (shared and Local), Report Data sets. Cascading parameters.
5. Pre-populating parameter controls.
6. SSRS web service API calls to render as PDF stream and put in for a file watcher.
7. Developed Server reports and Local reports (in report viewer control).
8. Rendering and getting stream via API call from BizTalk and SSIS based SQL agent job.
9. Report viewer web control with server-side reports and client RDLC files with dynamic data source (configured and are different for each client).
10. Did authorization in report manager, hidden parameters, and environment specific deployments.
11. Developed Local reports with LINQ and entity framework DAO as data source.

Career Profile:

1. **Native Cloud Applications Architect at SenecaGlobal, Hyderabad (Sep-2021 to till date)**
2. **Technical Architect at LightHouse Software Solutions, Hyderabad (Jun-2018 to Aug-2021)**
3. **Technology Lead at Indecomm Global Services, Bangalore (Nov-2016 to May-2018)**

4. **Technology Lead at Iron Mountain, Bangalore (Feb-2016 to 12-Aug-2016)**
5. **Lead consultant at TEKSystems (EMC²), Bangalore (JUNE-2014 to DEC-2015)**
6. **Technology Lead at EKA Software Solutions, Bangalore (JUL-2013 to MAY-2014)**
7. **Technology Lead at STRIKETRU INFO SOLUTIONS PRIVATE LIMITED, Hyderabad (Mar-2013 to June-2013)**
8. **Development Lead at Applied Information Sciences, Hyderabad (Jan 2012 to Feb-2013)**
9. **Senior Consultant at Alliance Global Services, Hyderabad (Sep-2011 to Dec-2011)**
10. **Senior Member Technical at Broadridge Financial Solutions, Hyderabad (Feb 2007 to Aug 2011)**
11. **Software Engineer L1 at Craft Silicon Pvt Ltd, Bangalore (Mar-2006 to Jan 2007)**
12. **Junior Lecturer at Sri Venkateswara college of Engineering, Bangalore (Aug-2005 to Dec-2005)**
13. **Trainee at GesTalt Tech, Bangalore (Dec-2004 to June-2005)**

Academic Profile:

- B. Tech (IT)-2005 from Sreenivasa Engineering College- Chittoor affiliated to JNTU with Distinction (71.64 %)
- Intermediate from V.S.R & N.V.R College, Tenali with 63.7%
- S.S.C from S.K.V. High. School, Kuchipudi with 79.16%

Projects:

Project #1:

Title: LMS

Employer: LightHouse

Location: Hyderabad

Client: MoniWell (<https://moniwell.com/>)

Role: Technical Architect

Duration: Jul, 21 - In progress

AI based platform to interact with employees of any subscribed organization for their financial well being.

telnyx, angular-11, node, xstate, postgresSQL, json rules engine

My Contribution:

PreSales, Architect, Mentor, Solution, Hiring

1. POC with the above tech stack & Design
2. Quick on boarding the team to new technology.

3. KT to a new team.

Project #2:

Title: **360 SYNC**

Employer: LightHouse

Location: Hyderabad

Client: Applied Software (<https://www.asti.com/product/360sync/>)

Role: Technical Architect

Duration: Mar,21 - In progress

A platform to sync files between different file storage providers ex: SharePoint, drop box, Bluebeam, Bim360 We can even schedule the sync process.

Electron, React, Share point windows SDK, GraphQL, Apollo, Base web, Windows Forms, .net 4.7, NodeJS, Electron forge, TypeScript, Yarn, GitHub.

My Contribution:

Design, Analysis, Code, Mentor, Solution, Hiring

1. Quick on boarding the team to new technology stack Electron, Electron Forge
2. Added share point modern authentication feature using azure active directory services
3. Bim360 bugs, changed the integration methodology so that not only admins, members also can access the project

Project #3:

Title: **Ambulatory EMR**

Employer: LightHouse

Location: Hyderabad

Client: DSIG

Role: Technical Architect

Duration: Dec,20 - In progress

It is re-platforming EncounterPro, a legacy power builder App.

A platform which will help health care providers in primary care.

Has Scheduling, Task management and workflow.

Idea behind this product is to automate the human workflow of providers or doctors.

A UI flow change for the product which we developed in EMR app. Users will get notifications on their dashboard where the user or user group need to act on a workflow step.

Xstate, Json rules engine, .net core rest API, NodeJS, express, HASURA GraphQL engine, PostgreSQL (AWS aurora), Angular 10, AWS Cloud, AWS Cognito. AWS code build, deploy, pipeline. Docker. AWS fargate. AWS certificate manager. AWS autoscaling, AWS load balancing. AWS EFS. AWS Route53. AWS cloud watch logs.

AWS CloudFront, AWS SQS, S3. AWS lambda. AWS code commit. SourceTree, Kubernetes.

My Contribution:

Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #4:

Title: **COVID Drive**

Employer: LightHouse

Location: Hyderabad

Client: DSIG - <https://luciddx.com/luciddx/>

Role: Technical Architect

Duration: Aug,20 - In progress

A platform which will help the laboratories to register patients for covid test, make payment online, download reports, consult with providers online.

Provides a subset of Telehealth features Text Chat, Video chat, voice mail and voice chat.

Have document scan and OCR features too. Employers can enroll their employees to get COVID test done.

.net core rest API, PostgreSQL (AWS aurora), Angular 9, Nodejs Socket API, Socket.io (load balanced), Twilio Voice mail with encryption, Twilio SMS, Twilio Voice with voice mail, Twilio Video Call with recording, Stripe Payments, tiny URL implementation, IVR payments using Twilio voice, PCI compliance. Sync fusion angular controls. Docker. Twain. Barcode printing to (NETUM Label Maker - Bluetooth Thermal Label Printer Portable Barcode Printer) via android app.

AWS Cloud: - VPC, EC2, Elastic Cache (Redis), SNS, Pinpoint, Textract, Connect (Call center), SES, PostgreSQL (Aurora), Kinesis video streams with WebRTC, DynamoDB, Cognito, Code pipeline, Lambda, API gateway, Fargate, Certificate Manager, autoscaling, load balancing, Cloud front.

Gitlab, SourceTree

My Contribution:

Many highlights. A good design and architecture in a very short span of time, went live in 6 weeks.

We are still adding many new functionalities to it.

Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #5:

Title: **VARADA**

Employer: LightHouse

Location: Hyderabad

Client: Raj

Role: Technical Architect

Duration: Feb,20 - Nov,20

A platform which will help to get surveys done by the contestants of US elections on any campaign. Contestants can register, introduce survey workers, and office staff.

It has real-time geo location tracking via android app.

Ionic Capacitor, Spring boot, PostgreSQL, Angular 9, AWS Cognito, Google charts, Angular Google Maps, Nodejs Socket, Socket.io (load balanced), AWS Elasticache (Redis), Elastic Beanstalk, Braintree Payments Gateway, Maven, QueryDSL, AWS CloudWatch logs, slf4j, Visual Studio Code, Android, IOS

My Contribution:

Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #6:

Title: **Sunny Day fund**(<https://sunnydayfund.com/>)

Employer: LightHouse

Location: Hyderabad

Role: Technical Architect

Duration: Aug,19 – In Progress

A platform which can help employers and employees can contribute to savings for any planned financial goals. Has integration with (<https://synapsefi.com>) to do Account transfers. ACH accounts. Web hooks, Node jobs.

Angular 7, NodeJS REST API, PostgreSQL, Strapi framework.

AWS Cloud: - VPN, EC2, Elastic Cache (Redis), code pipeline, Certificate manager, autoscaling, load balancing, CloudWatch logs, EFS, Cloud front, S3, Route 53, Secrets Manager, Aurora (PostgreSQL), Amplify, Workspaces, Work mail

Bitbucket. Source Tree, JIRA.

My Contribution:

Analysis, Code, Mentor, Solution, Maintenance

Project #7:

Title: **DICOM Image Processing**

Employer: LightHouse

Location: Hyderabad

Client: Abbott -DSIG

Role: Technical Architect

Duration: Apr,19 – May,19

A platform which can help to view and review a DICOM image of an anonymized patient. Multiple providers can be invited and participate in a screen sharing session.

Survey.js, .net core, PostgreSQL, CornerStone.js, DICOM.net, Angular 7

My Contribution:

Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #8:

Title: **Telehealth** (<https://tiny.piadvanta.com/MYNA/index.html>)

Employer: LightHouse

Location: Hyderabad

Client: DSIG

Role: Technical Architect

Duration: Dec,18 – In Progress

A mobile app (Android, IOS) to facilitate telehealth, RPM (Remote Patient Monitoring), Pharmacogenomics.

Flutter, Dart, Bluetooth Enabled devices, WebRTC in Dart, kinesis video streams with WebRTC. Socket.io

My Contribution:

Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #9:

Title: **EMR**

Employer: LightHouse

Location: Hyderabad

Client: DSIG (<https://dsiginc.com/services/?service=healthcare-it>)

Role: Technical Architect

Duration: Nov,18 – In Progress

Health care platform with ability to schedule, track, encounter, and US Insurance billing of patients.

It has telehealth, RPM (Remote Patient Monitoring), Pharmacogenomics,

.net core rest API, PostgreSQL (AWS aurora), Angular 7,10, Entity Framework core, Angular Material, Sync fusion angular controls, Nodejs Socket API, Socket.io (load balanced), WebRTC, Co-Turn, Stripe Payments, Docker, Seri log, MongoDB, Dynamic web twain. ETL using SSIS.

AWS Cloud: - VPN, EC2, Elastic Cache (Redis), Connect (Call center), kinesis video streams with WebRTC, Lambda, API gateway, Cognito, code pipeline, ECS, ECR, Fargate, Certificate manager, autoscaling, load balancing, CloudWatch logs, EFS, Cloud front, S3, Route 53, Secrets Manager, Aurora, light sail (word press), SES. Work mail, Amplify, AWS SSO, AWS managed Microsoft Active directory.

GitLab. Source Tree.

My Contribution:

So many, a big list Starting from NFR to a matured product went live.

- Tablet Application for the providers
- Patient Portal
- Appointment Scheduling
- Provider Schedules Management.
- Facility Management
- Business Process Management
- Individualized Treatment Plans for Mental Health and AOD.
- Medication Administration
- E-prescribing (eRX), DoseSpot
- Full Integration with Lab System.
- Audit Logs
- Extensive Reporting
- Clinical Decision Support
- Document Management
- Insurance Eligibility Verification
- In-built Form Editor
- Standard Scales & Screeners for MH and AOD.
- Telemedicine
- Role & Resource-based Authorization
- Health Information Exchange
- Accessibility Centered Design - WCAG 2.0 Compliant
- HIPAA Compliant
- Data Migration Services
- ISO 12207 Compliant

- Presales, Architect, Design, Analysis, Code, Mentor, Solution, Hiring

Project #10:

Title: **Rules Engine**

Employer: LightHouse

Location: Hyderabad

Client: DSIG

Role: Technical Architect

Duration: Nov,18 – Nov,18

A tool to validate US health insurance claim requests before sending them to trizetto.

jBPM, Drools, Wild Fly, Java

My Contribution:

- Option Analysis
- Drools Engine Setup

Project helped to onboard this client

Project #11:

Title: **Migration to AWS cloud**

Employer: LightHouse

Location: Hyderabad

Client: VNSNY (<https://www.vnsny.org>)

Role: Principal Dev

Duration: Aug,18 – Nov,18

A suite of applications for nursing services.

Migrating to AWS cloud and new tech stack.

AWS Migration Services

Oracle, SQL Server to AWS RDS, Aurora

ASP, ASP.net web sites to SPA with Angular 5 and .net core Rest API

My Contribution:

- Analysis, Design, Code, Mentoring, Solution
- UI Enhancements
- Migrate database (Oracle, SQL) from local to AWS using migration services

Project #12:

Title: Capacity Management SystemEmployer: **Indecomm Global Services****Location: Bangalore****Client: TeleTracking****Role: Tech Lead****Product Link:**<http://www.teletracking.com/solutions/healthcare-capacity-management-system>

This is a suite of applications to support hospital workflows. It includes various resource management activities including patients, beds & staff, auditing, reporting.

Here is the main technology stack.

- A hybrid application with ASP.NET Web Forms, MVC, Web API, MVVM, Silver light, Angular, Cross Domain Local Storage
- Responsive UI, bootstrap, HTML5, CSS3, JQuery, Ajax
- Single Page Apps (SPA) Approach.
- SQL Server 2016, Entity Framework, Mongo, CQRS
- Autofac, Spring.net for DI & IOC
- Surround, Bitbucket-SourceTree, GIT
- CCNET, NANT, later moved to BITBucket-JENKINS, Octopus, Install shield for CI CD, Citrix, Azure cloud
- CTI-32 based IVR
- Rabbit MQ, Mass Transit, Windows workflow, custom workflows
- Cloud Hosting
- Ionic Framework, Silver light
- Jasmin, phantom, NUnit, Karma, npm, node, Nuget
- Micro services architecture
- JIRA, Slack, X-Lite for IVR dialing
- WCF, Web Services, Web API, REST, SOAP, Windows services, Self-Hosting WCF services
- Redis cache
- Azure Access Control service, Identity server for mocking ACS locally
- Cross Domain Local Storage
- Road map to SAAS model
- Multi tenancy

Total Team Size (Including QA & DEV): 40+

My Contribution:

- Analysis, Design, Code, Mentoring, Solution
- UI Enhancements
- Gave solution to on premise Component's communication with SAAS version of APP
- Migrated to claims based security framework

- Enhanced CTI 32 based IVR flows and maintenance, created application to debug and host IVR at console to expedite the development process, to avoid dependency on HMP boards.
- Part in migration to Bitbucket and Jenkins, comfortable with groovy scripting in pipelines.
- Addressed the common navigation issues of hybrid apps/ SaaS model app with cross domain local storage with on premise app
- Critical Bug fixes, support items, Hot fixes
- Critical R&D items
- Migrated flash, silver light to HTML5
- Fake ADFS/Identity server for local development
- Hyper v solution for old HP QC
- Jasmine tests

Project #13:

Title: Secure Base Porting

Employer: **Iron Mountain**

Location: **Bangalore**

Role: Solution Architect

Product Link: Internal App

This is an internal application to support information management. It includes scheduling, auditing, reporting, and transportation. BPO will use this product for logistic operations.

Current development activity is to upgrade platforms to new technologies to support devices.

- Mobilize.net Web map.
- Responsive UI compatible with devices, bootstrap, HTML5 and CSS3, JQuery, Typescript.
- Single Page Apps (SPA) Approach.
- SQL Server 2012.
- UNITY for interceptors, Injections & IOC.
- ASP.NET MVC web Application.
- SAP crystal Reports
- SVN
- Bamboo, NANT for CI CD
- Kendo UI for MVVM

Total Team Size (Including QA & DEV): 30+

My Contribution:

- Bug fixes in various modules
- I have migrated a few crystal reports to a new platform.
- Implemented deployable candidate using Bamboo and NAnt

Project #14:

Title: HRWAR (HR Web App Re Platform)

Employer: Tek Systems – EMC Corporation

Location: Bangalore

Client: EMC Corporation

Role: Microsoft Consultant – Solution Architect

Product Link: Internal App

A suite of supporting applications to people soft and SAP systems, which will get the feed from and feed back to upstream systems (SAP), involves integration within these set of HR applications.

Current development activity is to upgrade the platform to new technologies to support devices and changing the integration with upstream systems from people soft to SAP.

- Responsive UI compatible with devices, bootstrap, HTML5 and CSS3, JQuery, TokenManager.js for SSO.
- Angular.js based JavaScript UI framework
- Single Page Apps (SPA) Approach.
- SSIS for integration with upstream systems and other applications of the suit.
- SQL Server 2012.
- Entity Framework based DAL. Database first.
- UNITY and Autofac for Injection & IOC. Microsoft OWIN for Web API & SSO Authentication and Authorization.
- ASP.NET MVC web Application.
- SSRS Local Reports
- SVN

Total Team Size (Including QA & DEV): 30+

My Tenure: JUNE-2014 to PRESENT

My Contribution:

- Solution Architecture for Server-side framework and components like reporting/Auditing/Exports/Business Rules/Validators
- Application Architecture
- Back End or Server-side Application Framework.

- Web API / REST Services, RestAngular.js
- Integration with existing core systems for authentication / Authorization, HR Core
- SSIS based integration and SSIS based Jobs
- Best and simple Solution for SSIS packages. This is a migration of Old Oracle SQR based Jobs which were complex in design.
- SSRS Local Reports (This is an excellent solution Architecture) and Hand on Development of very nice drill down reports.
- Angular based UI development and Integration with Web API where as my contribution in integration and troubleshooting with UI issues.
- SQL based JOBS.
- Database migration from Oracle to SQL server (initial data loading and integration).
- LINQ based DAL & BAL.
- All sorts of POC (BizTalk, SSIS, SSRS, IOC tools, Memory profilers, Performance tuning, optimizations)
- Entity Framework Best practices
- Decision making on technology and tools.
- Best solution for centralized auditing and performance tuning while loading for UI. Many innovations for various kinds of requirements. An excellent Solution Architecture.
- Many cost-effective solutions considering deployment restrictions in this tenure. Great working experience.

Tasks:

1. Complete server-side framework.
2. Decision making on Technology and tools for the above said framework.
3. POCs
4. SSIS integration. Initial data loading and re Platforming the old Oracle SQR based jobs.
5. SSRS Reports
6. UI Integration via rest angular.
7. Back end nightly jobs to feed from upstream systems, data analysis, alerts, auto approvals and nightly jobs.

Project #15:

Title: Bulk Movements Capture

Employer: Eka Software Solutions

Location: Adelaide, South Australia

Client: VITERRA

Role: Tech Lead

Product Link: <http://www.matrixgroup.com.au/about.htm>

A consolidated web-based application, managing stock inventory and movement transactions

- WCF services as BAL & DAL
- ORM (Fluent nHibernate, AutoMapper) based **DAL with SQL Server Data Store with Repository pattern and LINQ**
- **BAL** with converters, mappers, and validators. All are Injectable.
- **Castle Windsor** to support **Dependency Injection** of controllers, Converters, Mappers, Validator, and providers.
- Interceptors for auditing, logging, sequential workflow triggering.
- Custom impersonation service
- AzMan as authorization store
- Custom Model binders to support validations.
- KnockOut.js for MVVM
- Telerik/Kendo UI and DevExpress MVC extensions with custom binding
- NServiceBus for Request queue processing
- Nunit for unit tests
- TFS Gated Check-ins
- TFS for Source Control
- SSRS reports, XSLT and XML based templates
- SignalR for real time data push into web forms
- JQuery Widgets and AJAX
- NServiceBus, Windows Workflow Foundation for series of back end Activities
- WPF based workflow editor
- Pagination with LINQ and Fluent nHibernate
- Custom Viewfinders (Views, Partial Views), Action resolvers, HTML MVC extensions for views to render view model, View model Annotations, state management.
- LESS for web UI theming.

Total Team Size (Including QA & DEV): 30

My Tenure: JUL-2013 to June-2014

My Contribution:

- Solution Design, Develop and maintenance
- Deployment, Preparing environments
- Initially on Delivery Management
- Understanding product, infrastructure and existing framework quickly, Interaction with product management team, Solution designing, gathering requirements and translate to a system, Mentoring team members, Resolve technical issues, Recruitment, Training, Code review

- Visited Client place (Adelaide) and later supported my team from client place. Different work experience to work at a client's place.
- Best and fast problem solution approaches, troubleshooting in our very high workload phases.

Tasks:

1. Initially into bug fixes and getting ramp up with framework
2. Rendering extension for css
3. Feature implementation
4. Formula builder UI for creating and evaluating mathematical expressions to use in business rules. Includes a JavaScript based mathematical lexical analyzer. Evaluation is based on Reverse Postfix Notation.
5. Introduced Telerik Date Time widgets.
6. Pagination based on LINQ and Fluent nHibernate to improve performance
7. TFS Merging.
8. Introduced AJAX driven editable grids.
9. Drop down check list jQuery based & DevExpress.
10. Efficient usage of Injecting Controllers based on URL.
11. Excellent debugging skills on issues.
12. Data Design for features.
13. Customizations required for DevExpress MVC extensions at both JavaScript level and razor syntax level.
14. Effectively used Ajax framework in conjunction with DevExpress controls.
15. TFS Merging.
16. Best utilized JQuery features in day-to-day activities.
17. Added handlers for nServiceBus into the framework.
18. Added workflows and workflow activities to be invoked by nServiceBus handlers.
19. Handled issues of workflow with IE.
20. Custom validators.
21. Excellent usage of JQuery (JavaScript) API. Really good.
22. SSRS reports.
23. Supported SignalR with injected simulators/data providers for real time data.

Project #16:

Title: MDM System

Deputation: RiverSand

Role: Tech Lead

Client: [VF Apparel](#)

It was a client specific implementation of the Master Data Management product.

- Designing Data Model

- Set business rules while data flow.
- Integration with client systems
- Jobs and their profiles to integrate with and put in sync of external systems.
- Writing Web Service API, which is not available in existing frameworks.
- Design Human Workflows for data flow.
- Creating mappings for existing formatters to import data from external systems.
- Cloud environment (windows Azure)

Total Team Size (Including QA & DEV): 9

Tenure: MAR-2013 to 14-Jun-2013

My Contribution:

- Design, Develop and maintenance

Tasks:

1. Identifying problem solutions for client implementation.
2. Identify need of data flow BR's
3. Decide on tradeoffs
4. Coding Business rules for data flows
5. Designing Human workflows (windows workflow)
6. Code for custom web service API
7. Custom UI to work smoothly on existing framework
8. MVVM with Knockout.js
9. JSON data transfer and JQuery Pages
10. ASP.Net web methods

Project # 17:

Title: Commercial Auto Insurance

Employer: Applied Information Sciences

Client: GEICO

Role: Development Lead

Product Link: <http://www.geico.com/information/aboutinsurance/commercial/>

Products for commercial auto insurance sales to get a quote and policy service to maintain policy.

- Web UI development with ASP.NET and JavaScript and JQuery using MVP pattern.
- BizTalk Based middle tier to communicate with external systems where it needs XSLT translation.
- SSRS 2008 R2 for Reports and SSIS 2005 for agent jobs of achieving automation and archiving.

- PCI compliance design for payment processing and storing secure information.
- SSRS Server reports.
- SSL Communication with external systems via BizTalk.
- Integration with Global portal.
- Web apps development for devices (tablets, mobiles) using knockout.js and KnockoutMVC (kmvc) and node.js (not much on this)
- Using history.js for mobile MVC apps to access browser history data.
- Used HTML 5 and knockout.js for Mobile web app ASP.NET MVC screens.
- In JQUERY pages, data exchange via JSON calls to REST and WCF web API for mobile web apps.
- Deployments with MSBuild and BTS Task.
- XSLT mapping at pipeline components. Less on Orchestrations more on pipeline components and WCF adapters.

Total Team Size (Including QA & DEV): 26

Our Client Implementation Team Size: 9

Tenure: JAN-2012 to FEB-2013

My Contribution:

- Mentoring team for all technical support.
- Design, development and maintenance.
- UI Development with MVP pattern and ASP.NET.
- DB Design.
- SSRS Reports Design and Develop.
- Automation jobs for letters through SSRS reports.
- MVP with web client application blocks.
- Good experience with maintenance projects.
- 3-Enhancement, 2-maintenance, and 1-platform upgradation releases.
- Handled performance tuning for WCF services and SQL DB, SSIS and SSRS.
- Did responsive coding and designs at SQL, HTML, ASP.NET web forms, WCF and for WEB pages and SSRS reports.
- App scans for security and performance loopholes.
- Good XSLT debugging.

Tasks:

1. Design and Implementing Web UI according to spec.
2. Printed US postal letter generation framework for policy letters and other documents using SSRS 2008 R2, SSIS and WCF as mediator. Many other projects started integrating this component. Got rewards from clients.
3. New data store design for recurring payment methods.
4. SSRS report templates for US postal letters, summary reports.
5. SSIS package-based SQL agent job for automation of letters.

6. Designed Eligibility, in Eligibility framework based on criteria of vehicles, which is reusable and plugged in to existing framework.
7. Worked on complex UI widgets and integrated them with UI.
8. Solved issues related to IIS7 migration
9. XSLT changes in mappers of BizTalk
10. SSL communications in BizTalk WCF send ports.
11. Best utilized the existing MVP framework components for SSRS based Letter automation.
12. Handled 3 releases of enhancements, 2 releases of maintenance and production support.
13. Added 2 new framework components for new features.
14. Handled cross browser issues.
15. Handled platform upgradation to Windows Server 2008 R2 (IIS7), BizTalk Server 2010.
16. Used SSO DB as configuration store for BizTalk Apps.
17. JQuery UI widgets and custom UI controls on special requirements.
18. MVVM with knockout.js in new overlay UI.
19. Knockout MVC (JavaScript) to hit the facade layer for data exchange.
20. JSON data interchange.
21. Optimized ASP.NET rendering for GRIDS or Tables.
22. Handled performance tuning at WCF, SQL, BizTalk, SSIS and SSRS component layers.
23. Handled SQL deadlock issues.

Project # 18:

Title: HCP

Employer: Alliance Global Services

Role: Sr Developer

Client: Advanced Health Media

Product Link: <http://www.ahmdirect.com/solutions-portfolio/hcp-resource-center/>

Suite of products for Event Logistics (Web UI for Event Management)

- Web UI development with Asp.NET and JavaScript and JQuery
- Using MVC pattern.
- Worked with Windows Workflow to achieve approval process.
- Achieving **Dependency Injection** and **IOC** using Unity Application Blocks.
- Has separate implementations for each client achieved via DI.

Total Team Size (Including QA & DEV): 70+

Our Client Implementation Team Size: 6

Tenure: SEP-2011 to DEC-2011

My Contribution:

- R&D
- UI Development with MVC pattern.
- DB Design.
- Troubleshooting Production Environment.

Tasks:

1. Design and Implementing UI according to spec.
2. Worked on client specific approval process with windows workflow.
3. DB design for the above specified client specific approval process.
4. HTML Report generation using XSLT

Project # 19:

Title: ASCENDIS - COMMON MODULES

Employer: Broadridge

Role: Sr Developer

Product Link:

<http://www.broadridge.com/financial-services-technology-operations/securities-processing/bpo/ascendis-suite/Ascendis-Suite.html>

Suite of Financial products (BPM, Web UI for BPM, Back end processing jobs)

- Web UI development with Asp.NET and JavaScript and JQuery Themes
- Integration solutions with BizTalk, WCF, SSRS and SSIS
- As part of the Common Modules team, setting coding standards for better readability, performance, reusability, maintainability to other application teams.
- Provides integration platform and framework for Application teams.
- Prepare Deployment scripts with TFS integration.
- Provide components which are common across all co products.
- Provides abstraction to external systems.
- Common UI standards with JQuery
- App scans for security and performance loopholes
- .NET Application Embedding and Integration with ASP/VBScript, JSP/JavaScript Web Applications, where clients will come with their authentication layer and need to share authentication.
- Cross domain communication
- Our BPO will use this product.

Team Size: 45

Tenure: Feb-2007 to AUG-2011

My Contribution:

- R&D
- UI design & Development
- DB Design, SQL Scripting
- Troubleshooting with Production Environment
- BizTalk Application Development
- Design & Code Framework Components
- Patterns & Practices

Tasks:

1. Design and Implementing initial UI according to spec.
2. Dynamic UI generation based on DB saved XML configuration with JavaScript validations and a lot more in one framework component. This completely removed the complex database-based Business rule maintenance. **Got the best design award for this component.**
3. BizTalk application to trigger on Data events.
4. Handled IBM MQ communication with BizTalk MQ adapter. I have used the IBM MQ library to send port pipeline components.
5. Best approaches to handle large volumes of flat files.
6. Developed Custom BizTalk Pipeline components with very good optimizations.
7. SSIS packages to parse data in flat files and move to staging DB and then apply rules and move records to Live DB.
8. Custom SSIS script task to invoke child packages and validating records.
9. Custom Logging (used dtsEvents) approach to invoke SSIS packages from a web service call. **Most innovative approach.** Completely avoided custom SSIS logging component and added more value to the framework component in performance perspective in our multi-client runtime.
10. Handled 32 bit/64-bit complications while executing SSIS packages.
11. Handled caching issues with executing the same SSIS package for different parallel jobs for different clients with different flat file feeds.
12. Worked on SSRS reports in local and server mode.
13. Used SSRS web service API to execute and get report streams from SSRS server.
14. Developed a dynamic master page with third party (Telerik) controls. This is reusable across other product teams.
15. Developed a scheduler (SQL based) for BizTalk triggering. **Got a value add award from a client.**
16. Implemented SQL paging to avoid delay in rendering ASP GridView. Optimized way of rendering HTML for responsive web pages.
17. Implemented SQL logic to generate a flat file from XML columns.

18. Integrated with PDF generation tools.
19. Worked on JQuery Themes.
20. Provided cross hair functionality in SSRS web report to facilitate record tracking.
This is not out of the box available in SSRS reports. This is the great challenge we have faced from the mainframe team as this is available in their desktop app, where the similar functionality we provided in SSRS report with drill down SSRS report. This was the feature blocking us from client approval. **Most innovative solution I have given.**
21. Handled cross site scripting issues.
22. Handled Security issues like SQL Injection, Cross Site Scripting, and Encryption.
23. Worked with nested master pages and themes.
24. Extensive JavaScript usage with ASP.NET applications
25. Well versed implementation of ASP.NET web applications to reduced web traffic with Ajax, JSON and JavaScript
26. Third party ASP.NET controls from Telerik.
27. Worked with performance counters of T SQL programming.
28. Handled best ADO.NET approaches for distributed transaction handling and used enterprise application blocks.
29. Handled performance tuning and deadlock issues.
30. Worked with IIS7, http and net.tcp bindings
31. Deployments with TFS continuous integration.
32. Well versed with TFS versioning approaches.
33. Well versed with .NET versioning and side by side execution.
34. Handled maintenance of ASP/VBScript Application and fixed the issues related to IIS 7 deployment.

Project # 20:

Title: BR.NET

Employer: Craft Silicon Pvt Ltd

Role: Jr Developer

Product Link: http://www.craftsilicon.com/br_net.php

A web-based banking Solutions Product for medium scale banks including microfinance modules. This has 4 layered, multi-tiered architecture with a very fine optimized Ajax based Service Oriented Architecture web framework.

- It has full support for localization.
- Currently it is Supporting 3 Different Data Servers in Data Tier using data application blocks

- Supports both centralized as well as Distributed Deployments.
- Supports all available kinds of ASP.NET security approaches.
- IIS6, ASP.NET 2.0, SQL Server 2005, Ajax, Web services
- Best practices for security, scalability, and maintenance
- Automated code generators for DAL, BAL layers, service contracts and service proxies

Team Size: 45

Tenure: Mar-2006 to Feb-2007

My Contribution:

- R & D
- Web form Development
- Custom Control Development
- Got very good opportunity to work framework components
- Design & Code Framework Components
- SQL Scripts

Tasks:

1. JavaScript Custom Dialogs.
2. Dynamic generation of web form Controls using classical method and XML / XSLT and Custom client-side validation.
3. Custom controls in JavaScript (EX: Checked List Box)
4. Web Service Security
5. Localisations (Ex : Chinese, French etc).
6. A TWAIN Library Compatible Scanning Control Which brings the Images from Attached Imaging Devices (Ex: Webcam and Image Scanner). **Got very good recognition at my early stages of my career with a good hike in package.** One of the best in my career.
 - It is web deployment, integrating with .NET Framework Security (CAS Policy).
 - Ajax and JSON based Uploading and bringing the Images Stored in Database.
 - Simple Image editing feature provided with watermarking.
7. First time working with SSL Communication.
8. Part of Deployment Tool.
9. Web form Development.
10. Started learning and implementing Coding Standards, best Patterns & practices.

Project # 21:

Title: mediMan

Employer: Gestalt Technology Services

Role: Jr Developer

Client: Mallya Hospital-Bangalore, Vydehi medical college-Bangalore

Project Link: <http://gestalttechindia.com/clients.html>

This is HEALTH CARE, ERM Solution for Hospitals.

This is 4 layered, 2 tier architecture. This is for large scale Hospitals, for their process Automation and ERP.

- It developed with the tool to reduce the re-engineering burden. Windows based tool that improves productivity as support for above mentioned Framework for a healthcare project. This tool has the basic goal to reduce the re-engineering burden on developers, reusing the existing Framework for new projects.
- It has a back end independent framework.
- It contains fully customized windows controls to reduce validation burden. (Ex: Formatted date controls which all follows golden rules of UI, Auto complete drop-down lists, combo boxes, especially Data Grid)
- Fully automated data grid binding and In Row Editing which all reduce form changes.
- Common event handler master form architecture. This is also to reduce Development Burdon for common event handling like F1 – help, Save, F2-Look UP. But UI users can finish the transaction with a few keystrokes.
- No physical Existence of form designer files. All information regarding form will be dynamically loaded into the master form like SAP.
- Event handlers also will be added dynamically.

Team Size: 18

Tenure: Jan-2005 to Aug-2005 (Curriculum project and then First job)

My Contribution:

- Windows Form Development, validation, unit testing, verifying deployment environment.

Personal Details:

DOB : 04/AUG/1981
Permanent Address : S/O (late) Basavaiah Movva
Yadavuru – 522313,
(Via) kuchipudi,
(Near)Tenali, Guntur (DT),
Andhra Pradesh.
Known Languages : Hindi, Telugu (Mother tongue), English, Kannada
Hobbies : Painting, Pencil arts, long trips, visiting new places.