Sree Ram Satya Rohit Mantri

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Summary

Senior .NET Developer with 7 years of experience designing and delivering enterprise applications with **.NET Framework/Core**, scalable APIs, and optimized **SQL/T-SQL**. Skilled across **Azure** and **AWS** cloud, ORMs (**Entity Framework**, **Dapper**), and modern front-end frameworks including **Angular** and **Blazor**. Proficient in **CI/CD DevOps** practices, AI/LLM integration, and ETL/BI pipelines (**SSIS, SSRS, Informatica, Tableau**) to build secure, high-performance, and interoperable solutions. Recognized for translating business needs into scalable architectures and collaborating across teams to deliver impactful enterprise systems.

Technical Skills

Programming Languages & Databases	C, C++, C#, .Net Framework 4- 8, ODP .Net, .Net Core 2,5,6,8, Python, MySQL, SSMS, Oracle, Mongo
Frameworks & Software Packages	Entity Framework, WCF, Angular, React.js, Apache, TFS, Informatica, GIT, Windows Server 2016- 2019 R2, Visio, OAuth V2, Rabbit MQ, Kafka, Swagger UI, Winforms, Oracle Virtual Box, CSS, JavaScript, WordPress, MVC, Razor, Blazor, XML, XSLT, AJAX, Linux Distros, Shell scripting, PGP, SwaggerGen, Token Auth
Cloud Services	**Azure** DevOps, VM's, Active Directories, Resource Manager, Azure Service Bus (Message Broker), Docker, Blob Storage, Azure Container Registry, DevOps CI/CD, Athena, Glue, , **Kubernetes**, **AKS**, Azure Data Factory, Azure Functions and Logic Apps, **AWS** CDK, Lambda, API Gateway, S3, DynamoDB, Quicksight
API Standards and Other Skillsets	OWASP 2019-2021, GL API, SSIS, SRSS, Informatica, Middleware Servers, Docker, Kubernetes, Apache Tomcat, Service Now, HashiCorp Vault, Sonar Qube, GNN
Certifications	**Microsoft Azure 204**, Developer and **AZ 900** Azure Fundamentals

Work Experience

Applications Development Analyst
Tallahassee, FL, USA

Florida Department of Financial Services   Feb 2025

- Migration effort from legacy .Net Framework applications to **.Net CORE** with emphasis on ORMs (**Entity Framework** and **Dapper**), frontend upgrade with **CSS**, **Bootstrap**, **Vue.JS, Angular** and **Blazor** web pages for visually engaging UIs.

- Architected and implemented request processing in robust **Event Driven REST** and **SOAP** solutions with **.NET MVC Angular** application, with **Active Directory/ Azure Entra ID** authentication across environments and bidirectional communication with **Azure Service Bus** for on-premises insurance transactions and (.Net **Microservices** + Logic App) admin applications.

- Adhere to DFS coding standards, code coverage with SonarQube, testing frameworks with **NUnit** and **xUnit** and **Azure DevOps CICD** integration and **Azure App Services, Azure SQL, Logic Apps**.

- Introduced **Control M** jobs **and automation** scripts and data processing utilities using **Python** and **PowerShell** to streamline build, deployment, and **ETL, SFTP** workflows within **DFS** enterprise applications.

- Worked on **OWASP security vulnerability remediation** including SQL Injection, XSS, Content Security Policies, CSRF, connection string encryption, and HTML encoding across DFS .NET applications to enhance overall application security posture.

- Enhancements of **Crystal** Reports, **Qlik**, **SSRS** and **Tableau** Reports integrated into DFS .Net Applications
- Converting webforms to **Web API**s, **MVC** and **Microservices** (Orchestrator pattern) with the priority maintaining core business logic for Florida Office of Insurance Regulation, Fire Marshall, State Cemetery and Law Enforcement services of Fingerprinting, Background checks.

- Utilized GitHub Copilot to accelerate .NET development and integrate **AI/LLM features** into enterprise applications. POCs of **RAG** and **GPT Chatbot** with local on prem **LLM model**.

- Utilize **Splunk** and **Remedy** Dashboards for backend data logging of existing Windows Web Servers and monitor **Production towers** health and resiliency with **middleware** (AAA).

- Setting up cloud environments in AZURE with Azure VMs and **Azure SQL** and integrating **Microsoft Azure Monitoring Systems** into resource groups.

- Use **K-Queries** and DCRs to analyze and enforce **custom threat analytics**, stay alive and other health checks.

- Co-ordinate with Office of Insurance Regulation business users and cater to the needs of end customers and resolve any out of balance issues with the vast **Oracle** and **Snowflake SQL**

- Emphasis on process improvement and **Agile Scrum** methodology.

Systems Project Consultant   *Tallahassee, FL, USA*
Florida Department of Juvenile Justice   March 2024 - Feb 2025

- Developed and maintained **.NET Core** applications within the Division of Juvenile Justice with **MVC**, **MVVM**, Blazor projects and Angular with **Entity Framework**, ORM and created **DevOps CI/CD** pipelines with OWASP integration in Azure for deployments.
- Hands-on experience with **.Net Microservices**, adding .NET Identity, Gateway, email, and payment DTOs, Docker and AKS.
- Architected and implemented request processing in robust IAM solution within .NET **MVC** Angular application, with Active Directory permissions across environments and bidirectional communication with **Azure Service Bus** for an on-premises datacenter and admin application.
- Used **GitHub Copilot** to accelerate development, enhance code quality, and improve AI model integration within .NET applications.
- Implemented POCs of **Infrastructure-as-Code (IaC)** using **AWS CDK** in **Python** to provision and manage AWS resources (Lambda, API Gateway, S3, DynamoDB) with reusable constructs, improving deployment consistency and reducing manual configuration errors.
- Automated environment setup and **CI/CD** pipeline integration by defining **AWS** infrastructure stacks using **CDK**, enabling faster, version-controlled deployments across dev, QA, and production environments.
- Automated **code generation and refactoring** using GitHub Copilot for AI-driven C# development.
- Developed and maintained **ReactJS applications with TypeScript** to deliver dynamic and responsive front-end interfaces for enterprise applications.
- Enhanced user experience (UX) by implementing accessible and intuitive designs using **HTML5**, **CSS3**, and **JavaScript**, reducing user task completion time by 20%.
- Improved application performance by 30% using .NET Core to develop scalable applications, implementing RESTful APIs and microservices architecture while leveraging dependency injection for streamlined processing and enhanced security.
- Spearhead migration from Microsoft Azure Active Directory to Microsoft Office B2B accounts for 8000+ DJJ Providers and thus evading 8000 licensing costs in Microsoft Azure Entra ID.
- **SQL performance tuning** Stored procedure to optimize query performance and enhance data retrieval efficiency by 30% with techniques of examining query execution plan, insert indices where necessary and rewrite business logic without affecting existing functionality.
- Created analyses and data dashboards for HR team using AWS Quicksight and **Tablaeu** with data from SQL, NICE API and PAYLOCITY API leveraging JPO agent calls performance, probation time, juvenile satisfaction scores, time worked with respect to the total labor costs resulting in relative KPIs of Productive Labor Con Index and Revenue Index.
- Implemented **Test-Driven Development (TDD)** methodologies to ensure robust and bug-free code, reducing defects by 30% during QA testing.
- Developed comprehensive unit tests using **NUnit** and integrated them into CI/CD pipelines to maintain high code quality standards.
- Created new data pipelines with SSIS within Departments of Juvenile Justice, Law enforcement and Corrections and webforms integration in SSRS with data abstraction for Public Records Requests to DJJ.

Graduate Administrator- Systems Admin   *Tallahassee, FL, USA*
Florida State University   *Aug 2022 –July 2023*

- Administration of Azure accounts of 360 students using Role Based Access Control policies and limiting their authorizations to private and confidential resources in the cloud.
- Mentor students in class and in office hours in case of any technical glitches or issues in Windows, Mac or Linux environments.
- Compile custom built Linux OS to contain the kernel altered project files in to VM thus enabling scalable OS Images to be used as our VM images in Azure.
- Nominated for **PIE Outstanding Teaching Assistant Award 2022**
- Running Shell scripts in Linux environments for automated submission evaluations

Software Developer   *Hyderabad, India*
Tata Consultancy Services – HUMANA Client   *July 2018 – Dec 2021*

- SQL and .Net Full stack Engineer for Person database of Humana. (Developed and maintained 70+ MVC's, Web APIs and Angular applications catering data to 900 clients and teams and their respective cloud migrations to Azure)
- Leveraged **AWS cloud** services to deploy and scale .NET applications, utilizing **EC2** for virtual servers and **S3** for secure data storage, ensuring high availability and performance while optimizing cost through serverless architecture and auto-scaling features.
- Achieved 100% security by identifying and fixing security vulnerabilities in existing repositories. (Green Light API OWASP 2019, NIST, HIPAA standards)
- Utilized AWS S3 for secure storage and CloudWatch for monitoring and logging application metrics.
- Implemented **AWS Lambda**, **SQS** and **RDS** to enhance .Net application performance, enabling seamless integration to cloud native tools.
- Resolved and closed 1800+ service tickets raised by 600 subscribers to the Humana internal services.
- Team-lead for Humana's Enterprise Data and Technological Solutions team in maintaining and development of .Net web apps, their cloud migrations, ***training and mentoring 9 junior developers till date.***
- Hand On experience with side car, loopback, and long polling design patterns to address scalability and availability constraints using middleware and conversing though XMLs and XSLTs.
- Frontend Angular, MV, MVVM and react applications with Node backend.
- Well versed in Unit testing using jUnit, nUnit, reaching code coverage standards, Sonar Qube and Microsoft Test Standards.
- Proficient in deploying SQL Stored Procedures, Views, and transaction scripts for Humana's Person Database
- Hands- on experience with .Net web APIs, Entity Framework, SSIS and SSRS tools for upstream/ downstream data migration amongst SQL, Mainframes (OLE-DB) and FTP/ SFTP Jobs.
- Fluent in agile methodology, scrum etiquette and ticketing and change management.

Junior Software Developer   *Hyderabad, India*
Tata Consultancy Services- HUMANA Client   *July 2017 – July 2018*

- Worked as a .Net backend engineer to design and deploy 3rd party vendor claims from SQL Data Staging Layers to corresponding Web APIs handling RX (Dental) and VIS (Vision) claims.
- Handling FTP/ SFTP, Oracle, Mainframes and SQL downstreams using SSIS and CRON Jobs to update health care provider data into Humana's Spending Accounts database.
- Creating Azure Resources, CI/CD Pipelines, Web API migrations, Active directories, and SQL Data Staging Layers for 3rd party vendors of RX, VIS claims.

Certifications

- Azure Developer Associate (AZ204)
- Azure Fundamentals (AZ 900)

Education

Master of Computer Science	FLORIDA STATE UNIVERSITY	*Tallahassee, FL, USA*
B.Tech. in Electronics and Engineering	GITAM UNIVERSITY	*Andhra Pradesh, India*