

Contact

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Skills

Cloud:

Azure, AWS

Languages:

C#, JavaScript, HTML, SQL, PL/SQL

Web Technologies:

.NET Core, C#.NET, ASP.NET MVC, Web API, Entity Framework, ASP.NET, ADO.NET, WCF, REST Services, WWF, LINQ, XUnit, Moq, React.js, Angular, AngularJS, TypeScript, jQuery, Bootstrap CSS, AJAX

Development Tools:

MS Visual Studio Code, MS Visual Studio, Rider, SQL Server Management Studio, Git, TFS, VSTS, Tortoise SVN, Visual SourceSafe, Source Tree, CircleCI, Postman, BrowserStack, JIRA

Functional Expertise

Medication Management, Medication Profile and Prescribing, Insurance Claim Management, Asset Management, Media Monitoring, Patient Management, Telecom Trouble to Resolve, Inventory Management, Clinical Trial Supplies

Industry Expertise

Pharmacy, Healthcare, Mining, Media Intelligence, Telecommunications, Insurance, Life Sciences

Jeevan Reddy Musku

Senior Software Engineer & Technical Lead — Architecture, Engineering & Team Leadership | C#, .NET, Azure | AI-Assisted Engineering with Claude Code | Secure, Scalable Microservices

Design and deliver secure, scalable Azure solutions — thinking beyond just code, to the whole solution — and use AI as an accelerator, not a crutch: equally effective delivery with it or without it, and never at the cost of data security or code quality. Nearly 20 years leading technical delivery and engineering coordination across business, QA, UAT, ICT and external vendor teams, with strong quality-gate and CI/CD governance.

Summary

- Azure Developer / Solutions Architect — scalable, secure, fault-tolerant Azure solutions; Microsoft Certified Azure Solutions Architect Expert (earned earlier in career, currently recertifying against the latest Azure curriculum)
- .NET Developer / C# Developer — microservices and multi-tiered SOA with Domain-Driven Design (DDD), CQRS and MediatR; equally comfortable in Visual Studio and VS Code
- Event-Driven Architecture / Azure Functions — serverless, event-driven design using Azure Service Bus topics and Azure Functions
- Cloud-Native & Containerized Delivery — Docker, Azure Container Registry (ACR) and Azure Kubernetes Service (AKS) for containerized microservices
- Code Refactoring & Optimization — refactoring existing codebases into leaner, more robust and maintainable solutions
- Monitoring & Observability — using Application Insights and telemetry to monitor and diagnose microservices and third-party integrations, resolving incidents within SLA
- AI-Assisted Software Engineering — hands-on with Claude Code and Copilot-style tools; skilled in context engineering and token optimization, with responsible, guardrailed AI use — no secrets, confidential or identifiable data, ever
- Technical Team Leadership & Mentoring — mentoring engineering teams of up to five developers, including distributed/offshore members, with ownership of technical decisions and code quality
- Delivery & Cross-Team Coordination — sprint/release planning and coordination across vendor, partner and enterprise engineering teams, including BT SaaS, AVIVA, BT/NIEA and Webstercare's Azure-based integrations

Career Timeline

- **Technical Lead** — Webstercare, Australia — Oct 2022 – Present
- **Senior Software Engineer / Lead** — KPMG Australia, Australia — Mar 2022 – Oct 2022

Certifications



Microsoft Certified: Azure Solutions Architect Expert



AWS Certified Solutions Architect – Associate

- **Technical Lead – Manager Specialised Services** — Hitachi Vantara, India — Sep 2019 – Jan 2022
- **Senior Software Lead Developer** — iSentia, Sydney, Australia — Nov 2018 – Jun 2019
- **Technical Lead** — Wissen Infotech, Hyderabad, India — Oct 2015 – Nov 2018
- **Assistant Consultant** — Tata Consultancy Services, India & United Kingdom — Jan 2011 – Sep 2015
- **Technology Analyst** — Infosys Technologies, Mangalore, India — Apr 2010 – Dec 2010
- **Software Engineer** — Tech Mahindra (formerly Mahindra Satyam), India & Italy — Sep 2006 – Mar 2010

Education

Bachelor of Technology (B.Tech): Electronics and Communications — 2006

Jawaharlal Nehru Technological University, Hyderabad

Annexure

Projects

Company : Webstercare (www.webstercare.com.au)

Projects : Medcare

Role : Technical Lead (Acting Scrum Master)

Period : Oct 2022 – Present

Skills : C#, .NET, Microsoft Azure, Azure DevOps, CI/CD, Domain-Driven Design (DDD), CQRS, MediatR, Event-Driven Architecture, Microservices, Docker, Azure Container Registry (ACR), Azure Kubernetes Service (AKS), Scrum/Agile Delivery Leadership, Healthcare Interoperability (My Health Record, eRx), GitHub Copilot, Claude Code

Responsibilities

- Event-driven architecture — Azure Service Bus topics and Azure Functions, with DDD, CQRS and MediatR
- Azure cloud infrastructure — App Services, Azure Kubernetes Service (AKS), Key Vault, Azure Functions, Service Bus, Cosmos DB and SQL Server
- Containerization & orchestration — containerizing services with Docker, publishing images to Azure Container Registry (ACR), and deploying and operating them on Azure Kubernetes Service (AKS)
- Enterprise & government integration — building and supporting third-party integrations including ADHA My Health Record, Services Australia and FRED eRx Prescribing, plus Azure-based components; production monitoring, troubleshooting and release coordination
- Regulatory & compliance conformance — achieved conformance with ADHA My Health Record, Services Australia and FRED eRx Prescribing integration requirements, meeting all specified technical and security criteria
- Secure engineering practices — embedding OWASP guidelines, zero-trust and least-privilege access principles, and a shift-left approach to security across design, development and CI/CD
- Technical governance & code reviews — driving code quality, maintainability, security and consistency through PR reviews and engineering standards
- PR gating pipelines — implemented automated pull request gating (build, test and quality checks) across all microservices, blocking non-compliant merges before release
- Hands-on development — contributing directly to build work alongside the team

- Code refactoring — refactoring existing code into leaner, more optimized and robust solutions
- AI-assisted coding & productivity — using AI tools to accelerate delivery and streamline daily engineering work
- Monitoring & troubleshooting — using Application Insights and telemetry to monitor and diagnose microservices and third-party integrations, resolving incidents within SLA
- Technical team leadership — coordinating a team of five developers, including three offshore, on priorities, sprint/release planning and delivery, keeping velocity and workload sustainable
- Delivery oversight & stakeholder coordination — tracking dependencies and production readiness, and translating business/technical requirements into clear, well-specified engineering tasks

Company : KPMG Australia (home.kpmg/au)

Projects : Track and Trace, Building Trustworthy Index

Role : Senior Software Engineer / Lead

Period : Mar 2022 – Oct 2022

Skills : .NET Core, React.js, PostgreSQL, Rider, MS Visual Studio Code, Azure DevOps, Git

Responsibilities

- Technical design for individual features — from story breakdown through to front-end and back-end implementation
- Built backend services in C#, using Entity Framework, MediatR and NServiceBus
- Delivered front-end components with React, TypeScript and MUI, translating Figma designs into pixel-accurate UI
- Authored custom NuGet and NPM packages for reuse across teams
- Wrote unit and integration tests using NUnit and Fluent Assertions
- Supported QA on regression and integration testing, and built E2E test automation with CodeceptJS
- Active contributor to code reviews, Agile ceremonies and sprint planning

Company : Hitachi Vantara, formerly Hitachi Consulting (www.hitachivantara.com)

Projects : AIMS (Asset Integrity Management System), Claim Management System

Role : Mnager Specialized Services

Period : Sep 2019 – Jan 2022

Skills : .NET Core, SQL Server, AWS, React.js, MS Visual Studio 2019, MS Visual Studio Code, Git, CircleCI and Postman

Responsibilities

- Greenfield project delivery — designed and built AIMS as a greenfield project for the client, delivered ahead of the agreed timeline and defect-free
- Assisted the principal architect in delivering a scalable AWS cloud architecture, supporting around 1,500 users at 30–50 requests/sec, including image sync workflows
- AWS infrastructure — VPC, EC2, S3, IAM, Cognito, ECS Fargate, Secrets Manager, CloudFront, API Gateway, Auto Scaling, Load Balancer, Direct Connect, VPC Endpoints, RDS, Lambda, CDK and CloudWatch
- Built .NET Core microservices, core business and data layer components with Entity Framework, using the Repository Pattern and Unit of Work
- Solution design — data flow across web, mobile and backend components
- Technical documentation — Solution Architecture, Component Design, Infrastructure Design and Service Catalogue
- Delivered a desktop and mobile application, including a React PWA front-end, with online/offline sync capability

- Infrastructure design, data integration and data transformation
- Database development — tables, views, triggers, stored procedures, and table-valued and scalar functions
- Data migration — planned and executed data migration in record time, minimising downtime and business disruption
- Engineering release process — Git branching strategy, CI/CD and release practices
- Technical planning & requirements analysis — epic and story breakdown, technical estimation, and requirements analysis and clarification with Business Analysts and SMEs
- Team leadership — led the development team, driving code reviews, coordination and delivery support, with project and technical governance across delivery and release planning
- Iterative delivery leadership — coordinated technical checkpoints and risk/dependency resolution with QA and UAT teams across iterative feature delivery

Company : iSentia (www.isentia.com)

Projects : Media Portal

Role : Senior Software Lead Developer

Period : Nov 2018 – Jun 2019

Skills : AngularJS, Angular 6, Node.js, C#.NET, Visual Studio 2017, Visual Studio Code, JIRA

Responsibilities

- Re-engineered code to cut rendering time by 50%, significantly enhancing user experience
- Built complex UI components with embedded media players, rendering consistently across multiple browsers and device sizes
- Wrote custom image handlers for cropping, uploading, deleting and overlapping images to build header/logo composites
- Developed UI from Zeplin wireframes using HTML and SCSS
- Coded UI behaviour using Angular components, filters and directives
- Built business components in Node.js
- Wrote unit tests using Jasmine, and tested user stories across browsers and devices using BrowserStack
- Technical planning & estimation — user story requirement analysis, clarification with the Product Owner, and effort estimation
- Sprint & release execution — actively involved in sprint ceremonies (planning, retros, tech demos), deploying code to UAT, Staging and Production per the release plan
- Team leadership — led the development team at iSentia, coordinating priorities, code reviews and delivery across sprints, and driving knowledge-sharing across the team

Company : Wissen Infotech (www.wissen.com)

Projects : Quickpath

Role : Technical Lead

Period : Oct 2015 – Nov 2018

Skills : ASP.NET MVC 5, C#.NET, AngularJS, Angular 4, TypeScript, Bootstrap, XUnit, Moq

Responsibilities

- Built Angular modules, components, directives, services and pipes to meet business requirements
- Implemented business logic using TypeScript's static typing and object-oriented programming
- Built custom Angular lifecycle hooks for utility functions such as logging
- Implemented routing, route guards and JWT-based authentication
- Built responsive UI with Bootstrap CSS and HTML, rendering consistently across browsers and screen sizes
- Built MVC and Web API controllers in C# to connect front-end and back-end

- Used LINQPad to query data, validate service readiness and catch defects
- Wrote unit test classes and methods across components to increase code coverage
- Code merge and build activities
- Outcomes — delivered defect-free components with on-time delivery of complex, business-critical work and minimal business impact, achieving the highest customer satisfaction index on the team
- Technical planning & estimation — evaluated user story descriptions, acceptance criteria and wireframes for completeness, and estimated effort
- Team leadership — led the development team as Technical Lead, owning work allocation, code quality and delivery outcomes, and reviewing pull requests with clear feedback
- Engineering ceremonies & delivery tracking — drove daily scrum, sprint planning and review discussions, and maintained accurate story/defect status tracking for metrics and reporting

Company : Tata Consultancy Services (www.tcs.com)

Projects : AVIVA IT Care (IT Care Self Service Global Portal), BT NIEA (Northern Ireland Environment Agency), BT BCP (Business Customer Product), BT SaaS (Software as a Service)

Role : Assistant Consultant

Period : Jan 2011 – Sep 2015

Skills : ASP.NET MVC 5, C#.NET, AngularJS, jQuery, JavaScript, Bootstrap, SQL Server, MS Visual Studio, WCF, WWF, VB.NET, .NET 3.5, REST, Crystal Reports, MS Access

Responsibilities

- Designed and structured solutions using state-of-the-art patterns and SOLID principles
- Prepared low-level design documents, interface documents and other key technical deliverables
- Analyzed, restructured and enhanced existing applications and WCF services
- Built UI, validations, client-side behaviour and service calls using AngularJS controllers, custom directives, filters, services, factories and providers
- Built business components — helper classes, controllers and interfaces — in C#
- Built workflows and reusable activities using Windows Workflow Foundation
- Globalized the application for multi-device rendering using Bootstrap CSS
- Implemented exception handling and a custom logging mechanism
- Analyzed, prioritized and resolved live production defects per business needs
- Code maintenance and code merge activities
- Release & deployment support — supported pre-deployment, deployment and post-deployment activities and testing for quick resolution of blockers, participating in scrum meetings and sprint planning for smooth agile delivery
- Recognised as a STAR performer for outstanding contribution
- Client & delivery coordination — acted as single point of contact for the project at the client site, coordinating with client teams, suppliers and internal stakeholders to keep delivery dependencies, deployments and knowledge-transfer on track

Company : Infosys Technologies (www.infosys.com)

Projects : AON AuMine (Gold Mine)

Role : Technology Analyst

Period : Apr 2010 – Dec 2010

Skills : .NET 3.5, SQL Server, MS Visual Studio, C#, ASP.NET, MS TFS

Responsibilities

- Developed and implemented business applications using Microsoft .NET and SQL Server
- Coded business components in C#, and built the user interface with ASPX pages as per wireframes

- Created and modified database objects — tables, views, triggers and stored procedures
- Implemented business-priority change requests and troubleshoot user-raised faults
- Delivered a brand-new application one week ahead of schedule, achieving a greater than 95% success rate on User Acceptance Testing across all deliverables
- Supported the testing team with activities like test data creation during regression and integration testing
- Supported and coordinated with the data migration team during data migration
- Took part in team and client discussions for functional clarification, work assignment and status reporting

Company : Tech Mahindra, formerly Mahindra Satyam (www.techmahindra.com)

Projects : GSK Moxa Balance Service, GSK CTS (Clinical Trial Supply) Applications, GSK Comet-Global Material Management System

Role : Software Engineer

Period : Sep 2006 – Mar 2010

Skills : C#.NET, ASP.NET, WCF, .NET 2.0/1.1, Visual Basic 6.0, MS Visual Studio 2008/2005/2003, MS VSS, Star Team, XML, Oracle 10g/9i, Business Objects, Nice Label4, Active Batch, Brio Reports, Caliber RM

Responsibilities

- Coded business components using C# classes and interfaces, modularizing and structuring the solution
- Built a WCF service interfacing with multiple hardware weighing devices for maximum reusability
- Wrote complex queries and created database objects — packages, stored procedures, tables, views, triggers, inline functions and constraints — using PL/SQL
- Developed the user interface using ASPX pages and styles per wireframes
- Reverse-engineered existing systems and their associated processes, procedures and methods
- Led incident resolution — testing, debugging, diagnosing and correcting defects within agreed SLAs
- Monitored and maintained connectivity, integrity and data flow between applications and hardware devices, including label printers, weighing balances and hand-held devices
- Delivered mission-critical Clinical Trial Applications for GlaxoSmithKline (GSK), recognized by the client for outstanding efforts including building a disaster recovery environment in just 3 days
- Worked closely with the testing team on user story/defect testing, regression testing and system integration testing
- Participated actively in release coordination, deployment and post-deployment activities to resolve major blockers, including creating technical installation plans and installation reports during deployment