

Shameel Ahmed Z

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- Software Architect
- Automation & Tooling Champion
- Open-Source Enthusiast
- Cloud Migration Expert
- Database Expert
- Author, Writer, Blogger

I'm a Software Architect with 24 years of experience designing and developing traditional and serverless distributed systems. I specialize in creating scalable, secure, and efficient solutions while mentoring teams to write clean, maintainable, and robust code. Over the years, I've had the privilege of contributing to the tech community as an author and blogger, with my work featured on platforms like Amazon Kindle, Red Hat and DZone. I'm passionate about combining technical excellence with practical problem-solving to deliver impactful results.

Skills

Domains

Telecom • Energy/Utilities • Railways & Freight • Manufacturing • Financial Services

Architecture/Design

Enterprise Architecture • Technology/Solution Architecture • Distributed System Design • Domain Driven Design (DDD) • Event Driven Architecture (EDA) • Technology Strategy & Roadmap • Platform Engineering • Visio • UML • Platform, Database and Application Modernization & Cloud Migration

AI/GenAI

• Generative AI/GPT/LLMs, Agentic AI • Amazon Bedrock • Titan, Claude, LLaMa models • Chatbot/Conversational AI

Customer Engagement

Amazon Connect • Salesforce Service Cloud Voice • Live Chat • Avaya Contact Center Solutions • Genesys Cloud

Database

Data modelling • Database design & development • Database migration to Cloud • PostgreSQL • SQL Server • MySQL/MariaDB • Oracle • Redis • DynamoDB • MongoDB

Cloud

IaaS, PaaS, SaaS • Cloud Native & Serverless • Well Architected Framework • Amazon Web Services (AWS) - EC2, S3, Lex, Lambda, SES, SQS, SNS, DynamoDB, API Gateway, Route 53, PinPoint • RDS/Aurora, ElastiCache • Azure, Azure Database • FinOps/Cost Optimization • Data Center to Cloud Migration • Hybrid Cloud & Multi-Cloud Architecture

Development Methodologies & Frameworks/Languages

Desktop, Console, Windows Service & Web apps & services • .NET Framework/.NET Core • C#, VB, WinForms, WinUI • ASP.NET MVC • HTML5, JavaScript, Angular, React • NodeJS • WCF/WebAPI • REST/GraphQL • MicroServices, SOA • PowerShell • Python • GoF Design Patterns, Anti-Patterns • SOLID • GRASP • Automation & Tooling • Code Refactoring • Application Security • Object Oriented Programming (OOP) • Test Driven Development (TDD) • Agile • Waterfall model

DevSecOps

IaC, DevOps, CI/CD • CloudFormation • TerraForm • VSS/TFS, Git, Stash • Confluence, Jira, Jenkins Ansible, Artifactory • NUnit • Flyway • HP Fortify, HP WebInspect • BlackDuck, SonarQube

Experience

Senior Technology Architect

Infosys Limited (Since Dec 2018)

Senior Architect

Verizon India (Jun 2005 – Dec 2018)

Senior Developer

Accent InfoSoft Pvt Ltd (Aug 2003 – Jun 2005)

Senior Developer

Alpha Systems India Pvt Ltd (Dec 2002 – Aug 2003)

Software Engineer

Zydni Software Solutions (Jan 2001 – Nov 2002)

Education

Master of Computer Applications

University of Madras

Patents



US10051085B2 – System and method of data and command request processing

Granted in August 2018

Books & Blogs



Migrate your SQL Server Workloads to PostgreSQL (Second Edition)

This is a ready reference and a checklist for migrating your workloads from Microsoft SQL Server to PostgreSQL On-Prem and Cloud.

Red Hat Enable Architect Author

I have written a 5-Part article series on the subject of career progression from Developer to Architect.

Honors, Awards & Recognitions

Cloud Hackathon



Winner of Verizon Cloud Hackathon 2015. My Azure based solution to improve Agent Utilization in Contact Centers was selected as the winning solution among 65+ teams and 200+ participants across the globe.

Arctic Code Vault Contributor



Contributed code to the 2020 GitHub Arctic Code Vault Program