

# Venkatesan Jayaraman

## Cloud Solution Architect | Innovation Technical Leader

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### Professional Summary

Seasoned software professional with over 15 years of experience in enterprise and solution architecture, engineering leadership, cloud transformation and AI integration. Currently focused on operationalizing AI and data-driven architectures on Microsoft Azure, continuously evolving technical expertise to stay current with cloud and AI innovations, and helping organizations modernize platforms and deliver measurable business outcomes.

### Core Skills

- Cloud & Solution Architecture
- Enterprise Architecture & IT Strategy
- Application Modernization & Cloud Migration
- Architecture Design & Governance
- Azure Well-Architected Framework
- AI & Data-driven Architectures
- Cloud Security, Identity & Compliance
- Cost Management & Optimization
- Technical Leadership
- Stakeholder Management
- Strong communication skills
- Agile Project & Delivery Management

### Technical Skills

#### Microsoft Azure

- App Services, AKS, Azure Functions
- Virtual Network, Load Balancer, Application Gateway, Front Door
- Azure SQL, Storage Accounts, Data Lake
- API Management, Logic Apps
- Azure Monitor, Log Analytics, Application Insights

#### Microsoft & .NET Stack

- C#, .NET Core, ASP.NET, Blazor, Aspire
- Azure Active Directory (Entra ID)
- Microsoft 365, SharePoint, Copilot Studio
- Power Platform (Power BI, Power Apps)

#### Architecture & Design

- TOGAF framework and principles
- High-Level Design (HLD), Low-Level Design (LLD)
- Defining and validating non-functional requirements
- Architecture modeling using Microsoft Visio, draw.io

#### AI Skills

- GitHub Copilot–enabled development
- Prompt design and fine-tuning techniques
- AI agent design and orchestration
- LLMs, GenAI, and AI integration patterns

## Front-end Stack

- Angular, React
- JavaScript, TypeScript
- HTML5, CSS3, Bootstrap

## Database Stack

- PostgreSQL, SQL Server, MySQL
- MongoDB, Azure Cosmos DB
- Redis Cache

## DevOps & Engineering

- Multi-environment CI/CD pipelines using Azure DevOps and GitHub Actions
- Docker-based containerization for application deployments
- Kubernetes orchestration for scalable & resilient workloads
- SAST and DAST integration for automated security and quality checks

## Professional Experience

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### Assistant Director → Cloud Solution Architect

**Ernst and Young India Private Limited, Bengaluru, KA | March 2020 – Present**

- Delivered 10+ enterprise-scale cloud adoption and modernization initiatives on Microsoft Azure.
- Designed secure, highly available, and cost-optimized cloud architectures for enterprise platforms.
- Partnered with business stakeholders to translate requirements into scalable solution architectures.
- Automated the deployment process by integrating CI/CD pipelines using Azure DevOps and GitHub Actions and reducing release cycle time by 50%.
- Provided architectural oversight for delivery estimates and project plans, collaborated with Project Managers to ensure timely execution.
- Mentored junior engineers and fostered a culture of innovation, increasing team productivity and retention.

### Senior Software Engineer → Technical Lead

**Eurofins IT Solution India Private Limited, Bengaluru, KA | August 2017 – Feb 2020**

- Led application modernization initiatives, transforming legacy WPF platforms into Angular-based frontends and microservices-driven distributed systems.
- Designed and implemented integration solutions using REST APIs, messaging, and event-driven architectural patterns.
- Provided technical leadership through code reviews, design guidance, and team mentoring.

### Senior Associate → Technical Lead

**Cognizant Technologies India Private Limited, Chennai, TN | Feb 2017 – Aug 2017**

- Led cloud migration initiatives, supporting workload transition to AWS with a focus on scalability and reliability.
- Designed and developed secure, high-performance RESTful APIs using .NET Core.

## **Consultant → Senior Developer**

**Egton Medical Information Systems India Private Limited, Chennai, TN | Nov 2014 – Jan 2017**

- Modernized legacy desktop systems into web-based applications using ASP.NET MVC and RESTful services.
- Designed and implemented integrations with external systems and healthcare (NHS) interfaces.
- Led deployment, release coordination, and provided technical oversight for production support.

## **Software Analyst → Developer**

**Bally Technologies India Private Limited, Chennai, TN | Jun 2013 – Oct 2014**

- Developed enterprise-grade WPF applications using MVVM architecture for complex business workflows.
- Built background processing services and system integrations supporting real-time operations.
- Contributed to release readiness through structured deployment processes and technical documentation.

## **Systems Engineer → Developer**

**Tata Consultancy Services India Private Limited, Chennai, TN | Oct 2010 – Jun 2013**

- Designed and developed enterprise applications using Microsoft .NET, C#, ASP.NET, WCF, and SQL Server.
- Participated across the full software development lifecycle, from requirements analysis to production deployment.
- Built strong foundations in object-oriented design, performance tuning, and secure coding practices.

## **Education**

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### **B.E. Electronics & Communication Engineering**

Anna University – Government College of Engineering, Salem | 2006 – 2010

## **Certifications**

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- Microsoft Azure Solutions Architect Expert
- TOGAF 10 – Enterprise Architecture Practitioner
- Project Management Professional (PMP)
- Professional Scrum Master (PSM)