 Vinod Reddy Kanmanthareddy

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PROFILE SUMMARY

Results-driven technology leader with 18+ years of experience in cloud-native enterprise architecture, AI-driven analytics, and DevOps modernization. Expert in Microsoft Azure, Kubernetes, Docker, and Python, with a proven record of leading global teams to deliver scalable, secure, and intelligent systems. Adept at bridging business and technology, driving innovation, automation, and cross-functional collaboration.

KEY SKILLS

Cloud & DevOps: Azure (AKS, Functions, Logic Apps), AWS, Docker, Kubernetes, Terraform, Helm, Azure DevOps, GitHub Actions, Jenkins

AI/ML: Python (Scikit-learn, TensorFlow, Azure ML), predictive analytics, anomaly detection, model deployment (MLOps)

Full Stack: .NET 6/7, ASP.NET Core, FastAPI, React, Angular 17, TypeScript, Node.js, REST/GraphQL APIs

Data & Integration: Azure SQL, PostgreSQL, MongoDB, Redis, Power BI, API Gateway, SSIS/ETL

Leadership & Delivery: Agile, Scrum, mentoring, stakeholder management, quality governance

PROFESSIONAL EXPERIENCE

Technical Project Lead - VGSPL (Client: Amerant Inc.) — Hyderabad, India | June 2022 – Present

Led design and delivery of a cloud-native citizen benefits platform using Azure Kubernetes Service (AKS), Dockerized .NET 6 microservices, and Python-based AI analytics. Built CI/CD automation with Azure DevOps, implemented React frontend, and introduced observability with Prometheus & Grafana.

Roles & Responsibilities:

- Led design and implementation of Azure-based citizen benefits platform using microservices architecture.

- Architected CI/CD pipelines through Azure DevOps, automating testing and deployment cycles to reduce release time by 40%.

- Built Dockerized .NET 6 APIs and integrated AI-driven fraud detection models using Python and Azure ML.

- Enabled observability using Prometheus, Grafana, and Application Insights for real-time health tracking.

- Facilitated Agile ceremonies and mentored cross-functional teams to improve delivery velocity and code quality.

Technical Project Lead - KSAP Inc (Client: 3GTMS Inc.) — Khammam, India | March 2021 – June 2022

Modernized transportation management platform using Python (FastAPI) and Angular 17. Implemented AI-powered logistics forecasting, automated CI/CD pipelines, and enhanced monitoring via Grafana dashboards.

Roles & Responsibilities:

- Delivered next-gen transportation management platform using Python (FastAPI) and Angular 17.

- Integrated AI-powered forecasting models for logistics optimization, improving operational efficiency by 15%.

- Automated deployments using Jenkins and GitHub Actions for continuous integration and testing.

- Enhanced monitoring and alerting through Grafana and Prometheus observability stacks.

- Collaborated with US-based client stakeholders to align architecture decisions with business goals.

Technical Lead - 6D PropTech (Financial Markets) — Hyderabad, India | June 2019 – Feb 2021

Architected microservices-based financial analytics platform integrating real-time Bloomberg APIs and AI-driven trade reconciliation. Built C# and Python APIs, automated data pipelines using SQL and Power BI, and led migration to Azure.

Roles & Responsibilities:

- Developed a real-time financial analytics platform combining C#, Python APIs, and Bloomberg market data.

- Migrated monolithic services to Azure microservices, improving scalability and reducing latency by 30%.

- Built Power BI dashboards and ETL workflows for executive reporting and audit compliance.
- Collaborated with AI engineers on predictive analytics and anomaly detection models for trade validation.
- Improved SQL Server optimization and cloud data architecture performance.

Technical Lead - 6D PropTech (Construction) — Hyderabad, India | Nov 2018 – May 2019

Directed Agile sprints for enterprise construction management using ASP.NET Core and AngularJS. Integrated CI/CD automation via Azure DevOps and delivered scalable microservices for analytics.

Roles & Responsibilities:
- Directed Agile-based development of enterprise construction management system using ASP.NET Core and AngularJS.
- Introduced modular microservice design for task scheduling, resource tracking, and analytics.
- Implemented automated build-release pipelines through Azure DevOps CI/CD setup.
- Standardized code reviews and sprint retrospectives to enhance delivery predictability and quality.
- Partnered with business stakeholders to translate functional needs into scalable architecture.

Technical Lead - Value Momentum (Client: IMS)) — Hyderabad, India | Aug 2017 – Apr 2018

Led .NET and Angular development for insurance management, introducing Jenkins CI/CD automation and improving interoperability between systems.

Roles & Responsibilities:
- Led insurance management solution development using .NET Core and Angular frameworks.
- Orchestrated Jenkins CI/CD pipelines for faster release cycles and version control integration.
- Enhanced cross-platform interoperability with RESTful APIs and microservices architecture.
- Facilitated Agile sprints ensuring consistent communication between dev, QA, and business teams.
- Delivered modular features improving customer experience and system reliability.

Sr. .NET Developer, Beta Bulls Inc. (State Licensing Renewal Project) — Hyderabad, India | May 2015 – Jul 2017

Developed ASP.NET MVC 5 and AngularJS modules automating state licensing workflows, enhancing speed and compliance. Implemented secure token-based authentication and agile collaboration using JIRA and Git.

Roles & Responsibilities:

- Engineered ASP.NET MVC and AngularJS modules for automating US state licensing workflows.

- Secured data exchanges with token-based authentication and encryption for compliance.

- Integrated JIRA and Git workflows to improve collaboration and DevOps traceability.

- Optimized REST API and UI responsiveness improving user experience by 25%.

- Provided knowledge transfer and mentorship to junior .NET developers on clean coding practices.

Sr. .NET Developer - BlackKnight Financial Services— Hyderabad, India | May 2014 – Apr 2015

Contributed to mortgage underwriting modernization using ASP.NET MVC, Web API, and WCF. Implemented secure EF data layers and optimized Agile sprint delivery using TDD

Roles & Responsibilities:

- Contributed to mortgage underwriting modernization using ASP.NET MVC, Web API, and WCF.

- Designed and implemented EF-based data layers for financial operations and compliance workflows.

- Applied TDD principles to ensure reliable delivery and reduced post-deployment bugs by 20%.

- Optimized SQL performance and caching for high-throughput transaction processing systems.

- Collaborated with US-based teams ensuring on-time and compliant project delivery.

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Earlier Roles (2005-2013)

Held technical and leadership roles at ITC InfoTech and Keane, developing enterprise web and client-server solutions using ASP.NET, VB.NET, SQL Server, and AngularJS.

Tools & Technologies

- **Languages & Frameworks: C#, .NET Core/Framework, ASP.NET MVC/Web API, WCF, Entity Framework, LINQ, JavaScript, AngularJS, HTML5, CSS3**

- **Cloud & DevOps: Microsoft Azure (Functions, App Services, Azure SQL, Logic Apps, Storage), CI/CD (Azure DevOps, Jenkins), Git**

- **Databases: SQL Server (2005-2019), Azure SQL, SSIS/ETL**

- **Tools & Methodologies: Visual Studio, TFS/Azure DevOps, Git, JIRA, Scrum/Agile, Waterfall, TDD, UML**

CERTIFICATIONS & ACHIEVEMENTS

- Continuous Learning & Innovation: Actively pursuing leadership and architecture certifications in AI Engineering, AWS Solutions Architecture, and Cloud Security to enhance cross-domain expertise.

- Brainbench Certified Software Programmer (August 2016): Recognized for high proficiency in .NET architecture, C#, and enterprise-level system design; benchmarked in top 10% globally.

- Microsoft Learn - Azure Developer Track: Demonstrated expertise in Azure Functions, App Services, and Kubernetes; leveraged these to architect scalable enterprise applications.

- LearnTube - Professional Certifications: Earned credentials in Python for Data Science and Cloud-Native Microservices, contributing to end-to-end MLOps implementation across client projects.

- IIT Kanpur - E&ICT Academy: Completed advanced certification in AI, Cloud, and DevOps integration; applied to automate model deployment pipelines on Azure.

EDUCATION

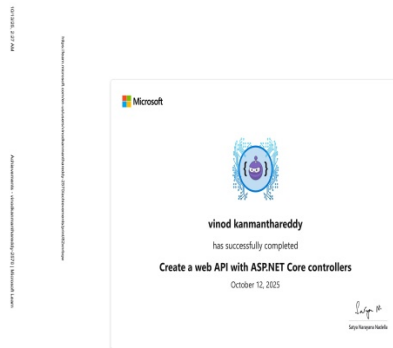Master of Science, Computer Science - University of Northern Virginia, USA

Bachelor of Technology, Computer Science - Madras University, Chennai, India (2003)

Brainbench Certified - ASP.NET

Keywords: Azure, AWS, DevOps, Kubernetes, Docker, Terraform, Python, .NET, React, Angular, Power BI, MLOps, CI/CD, Cloud Architecture, Microservices, Agile, Project Management, AI, Data Engineering, Cloud Security, Software Delivery, Engineering Leadership, Automation, API Design

Certification Gallery