

# VIJAYA SHANKAR GANESAN

Technology Transformation Leader

+1 210-204-7694

m2vijayashankar@gmail.com

Houston, TX, USA

[linkedin.com/in/vijayashankar-ganesan](https://www.linkedin.com/in/vijayashankar-ganesan)

## ABOUT ME

Innovative technology leader with expertise in AI, DevOps, Github Enterprise Cloud, Docker Desktop, Artifactory Jfrog, DevSecOps, and enterprise-scale automation. At Mastercard, I have led DevOps transformations, cloud migrations, and security automation, enhancing developer productivity and enterprise-wide adoption of modern software practices. I also serve as a member of the Docker Technology Advisor Group (TAG) for Docker Inc., influencing containerization best practices. Previously, at AIG, I received the 2019 CloudBees Innovation Award for DevOps Scalability, leading enterprise-scale CI/CD automation. My work in AI, fintech, and automation has driven cost savings, efficiency gains, and next-gen technology adoption across global organizations.

## SKILLS

- AI & Machine Learning
- Enterprise DevOps Automation
- Cloud & Technology Transformation
- Strategic Leadership & Team Building
- Process Optimization & Cost Savings
- Software Architecture & Scalability
- EdTech & Talent Solutions
- AI-driven DevSecOps & Risk Management
- Leader in Docker, GitHub, Kubernetes, AWS, Azure, PCF, Jenkins, Artifactory

## EDUCATION

- Certified Kubernetes Application Developer (CKAD) - 2023
- Manipal University - 2014  
**MASTERS OF ENGINEERING**  
Computer Science & Technology
- Anna University - 2011  
**BACHELOR OF TECHNOLOGY**  
Information Technology



## WORK EXPERIENCE

### Mastercard, Inc - Houston, TX

2023 - PRESENT

#### Principal Software Engineer

- Enterprise Docker Desktop Adoption - Led the adoption of Docker Desktop for 10,000+ developers, optimizing containerization workflows across Mastercard.
- GitHub Enterprise Cloud Implementation - Spearheaded the migration to GitHub Enterprise Cloud (GHEC) for 10,000+ developers, focusing on 100,000+ repository migrations and DevSecOps integration.
- Generative AI (GenAI) Enablement - Drove GenAI implementation for 10,000+ developers, enhancing software development efficiency with AI-assisted coding and automation.
- Secure Container Factory (SCF) Implementation - Designed and implemented Secure Container Factory (SCF), ensuring enterprise-wide container security and compliance.
- Docker Technology Advisor Group (TAG) - Served as a Technology Advisor in Docker TAG, influencing containerization strategies and best practices.
- Technical Leadership in DevOps & Cloud - An experienced leader in containerization, DevOps, and cloud technologies, with expertise in Docker, GitHub, Kubernetes, AWS, Azure, PCF, Jenkins, and Artifactory

### American General Insurance - Houston, TX

2019 - 2023

#### Assistant Vice President

- Automated Enterprise Scale CI/CD stacks(Jenkins) and cloud Infrastructures using Terraform
- 2019 CloudBees Innovation Award Winner - Recognized at DevOps World | Jenkins World 2019 for DevOps Scalability Achievement at AIG, demonstrating expertise in scaling CI/CD pipelines and cloud infrastructure.
- Cloud & Kubernetes Infrastructure Modernization - Spearheaded VMware-to-AWS migration, implementing EKS, ECS, Terraform-based IaC, and Helm-driven Kubernetes orchestration, optimizing cloud-native operations.
- Enterprise DevOps & CI/CD Transformation - Led the automation of large-scale CI/CD pipelines, integrating Jenkins, Terraform, and AWS, enhancing software delivery and operational efficiency.
- Security, Compliance & Governance - Established audit-ready security frameworks, enforcing IAM, MFA, Vault-based secret management, GitHub user audits, and Separation of Duties (SoD) policies to ensure regulatory compliance.

### Mastech Digital Technologies, Inc - Durham, NC

2018 - 2019

#### Automation Engr - Senior Software Developer

- Automated Enterprise Scale CI/CD stacks and cloud Infrastructures using AWS CDK
- Created Automation Bots for handling Incident Management and Git Provisioning, and constantly looking for development as well as continuous improvement for the entire team
- Facilitate the creation of tasks for the Sprint, identifying dependencies. Work with key SMEs and partners to troubleshoot and prioritize actions

### HCL America, Inc - Houston, TX

2011 - 2018

#### Technical Lead

- Enterprise Software Development & Automation - Led the development of scalable software solutions, integrating microservices architecture, API development, and cloud-native technologies to enhance performance and reliability.
- DevOps & CI/CD Automation - Spearheaded DevOps automation, streamlining software delivery and optimizing cloud infrastructure for scalability and security.