Contact

mahendar.natarajan@gmail.com

www.linkedin.com/in/nmahendran (LinkedIn)

Top Skills

Distributed Systems

Scalable Application Design

OpenShift Deployment

Certifications

Jira Fundamentals Badge

AWS Knowledge: Amazon EKS

AWS Knowledge: Migration Foundations

Well-Architected Proficient

Mahendran Natarajan

Technology Leader | Cloud & AI Strategist | Digital Transformation | Enterprise Architect | Leading AWS Large Scale Migrations
Baltimore City County, Maryland, United States

Summary

Cloud & Enterprise Architect with 22+ years of experience driving business transformation through cloud-native modernization, applied AI/ML, and large-scale infrastructure engineering.

I worked with business and technology leaders to modernize complex application portfolios, enabling faster time-to-market, cost efficiency, and revenue growth. I have transformed more than 70 enterprise to AWS, Azure, OpenShift, and PCF. By implementing Terraform Enterprise, GitHub Actions, and ArgoCD, I cut deployment timelines by 85%, reduced provisioning risks, and delivered secure, compliant environments at scale.

I design and implement event-driven and microservices architectures that unlock reusable business capabilities. Delivered next-generation underwriting, claims, and policy platforms using Node.js, Kafka, and AWS Lambda — improving system performance by 80% and accelerating new product onboarding 2x faster, directly enhancing customer and agent experience.

Hands-on expertise spans Kubernetes (EKS/OpenShift), Docker, Terraform, Kafka, CI/CD automation, and distributed systems. I combine deep technical execution with mentorship and engineering leadership, enabling global teams to improve productivity, adopt modern practices, and consistently deliver business outcomes.

_____

Experience

LTIMindtree
Principal Architect - Digital Transformation
April 2016 - Present (9 years 8 months)
Hunt Valley, Maryland, United States

I designed scalable microservices and event-driven systems to modernize legacy platforms in the insurance domain. My architecture supported 99.9%

uptime and real-time processing using Kafka, Lambda, and SQS. I led infrastructure-as-code implementations using Terraform and GitHub Actions to stabilize deployments. I collaborated across teams to align architecture with regulatory and security requirements. I also helped develop client-facing technical proposals for RFPs and new business.

Accenture
Lead Technology Architect
April 2010 - April 2016 (6 years 1 month)

I created architecture blueprints and delivered end-to-end technical design across enterprise applications.

I worked across teams to ensure design decisions met business, security, and compliance needs.

I led proof-of-concept projects and guided technology evaluations for modernization. I facilitated stakeholder workshops to build alignment and ensure architectural transparency.

My work directly supported the delivery of secure, scalable applications on time.

SAIC
Senior Software Engineer
February 2008 - April 2010 (2 years 3 months)

I developed distributed systems to support a UK-based utility's critical operations.

My focus was on system scalability, fault tolerance, and user impact.

I presented technical findings to non-technical stakeholders and helped shape long-term platform decisions.

I improved system stability while reducing deployment complexity.

First American (India)
Software Engineer
May 2005 - February 2008 (2 years 10 months)

I migrated Java-based legacy systems to a modern ready architecture using Spring Boot.

I created upgrade plans, documented transition processes, and improved platform performance. I worked closely with infrastructure teams to ensure smooth handovers
and testing.

My work improved scalability and reduced downtime during deployment.

Education

Bharathiar University
Master of Science - MS, Computers

Bharathidasan University
Bachelor of Science - BS, Computer Science