

RAJANIKANTHSINGH VISWANATHAN

(719) 439-3882 • rajananikanthsingh@gmail.com

## SUMMARY

Accomplished DevOps & Cloud Infrastructure Leader with 15+ years of experience driving enterprise-scale cloud transformations, automation strategies, and infrastructure modernization across AWS, Azure, and GCP. Proven ability to lead high-performing DevOps teams, optimize cloud operations, and align technology solutions with organizational goals. Recognized for fostering collaboration between Product, Engineering, and Operations to deliver resilient, secure, and scalable systems that improve time-to-market and reduce operational costs.

## CORE LEADERSHIP STRENGTHS

- Strategic DevOps & Cloud Transformation
- Team Building & Technical Leadership
- Cost Optimization & Performance Management
- Cross-Functional Stakeholder Engagement
- Automation & CI/CD Governance
- Cloud Security, Compliance, and Observability
- Disaster Recovery & High Availability Strategy
- Operational Excellence and Continuous Improvement

## TECHNICAL SUMMARY

Cloud: AWS, Azure, GCP

Automation & IaC: Terraform, Ansible, Puppet

CI/CD: Jenkins, Bitbucket, GitHub Actions

Monitoring: Prometheus, Grafana, Dynatrace, ELK Stack

Databases: Cassandra, ScyllaDB, MySQL, PostgreSQL

Languages: Shell, Python, Go

Containerization: Docker, Kubernetes, and Harbor

## PROFESSIONAL EXPERIENCE

- Xperi | DevOps Architect / Cloud Infrastructure Lead | Jun 2021 – Present
  - Directed the design and governance of hybrid cloud infrastructure across Azure and on-prem environments, delivering 99.99% availability and improved scalability.
  - high-scale software engineering, with 3+ years leading distributed systems or ML infra teams; strong coding and review skills.
  - Led and mentored a global team of DevOps engineers, defining best practices in automation, observability, and distributed system reliability.

- Drove adoption of CI/CD pipelines, resulting in 40% faster deployments and reduced change failure rates.
  - Partnered with Product and Security leadership to align DevOps strategy with compliance and operational excellence goals.
  - Spearheaded implementation of Blue-Green and Canary deployments, enabling zero-downtime releases and rapid rollback capabilities.
  - Established incident management frameworks and on-call rotations to strengthen resilience and reduce MTTR.
  - Designed and implemented end-to-end ML pipelines for model training, validation, and deployment using tools like KubeFlow / MLflow / Vertex AI / SageMaker / Airflow.
  - Automated **model retraining and monitoring workflows**, reducing manual effort by 50% and improving deployment frequency.
  - Collaborated with data scientists to productionize models following **MLOps best practices** and compliance standards.
  - Reduced model deployment time from 3 days to 2 hours through pipeline optimization and automation.
- Mobitv | Senior DevOps Engineer / Team Lead | Aug 2017 – Jun 2021
    - Guided modernization of infrastructure operations and migration to cloud-native platforms across AWS and Azure.
    - Designed, developed, and implemented internal tools to automate infrastructure monitoring, incident response, and deployment workflows
    - Partnered with software engineering teams to build monitoring and automation frameworks, improving uptime and efficiency.
    - Led performance optimization and capacity planning initiatives to ensure SLA compliance.
    - Mentored junior engineers and established structured DevOps training programs.
    - Deep experience with orchestration (Kubernetes/EKS, Slurm), large clusters, and low-latency networking.
  - Williams-Sonoma | Infrastructure solution Architect | Jun 2016 – Aug 2017
    - Managed cloud operations and automation strategy to support large-scale retail application migration from on-premises to cloud.
    - Collaborated with architecture and product teams to standardize release processes and improve system reliability.
    - Led offshore DevOps teams to ensure incident resolution, service continuity, and adherence to SLAs.
  - Apple Inc. | Sr. DevOps & Infrastructure Solution Consultant | May 2013 – Jun 2016

- Designed and implemented enterprise automation frameworks for internal engineering operations, improving consistency and deployment reliability.
  - Partnered with internal stakeholders to define governance around infrastructure as code and version control.
  - Enabled continuous integration pipelines and reduced provisioning times across internal environments.
- OSR Solutions / Comcast | Senior Software Engineer | May 2006 – Apr 2013
    - Led automation and infrastructure management for Comcast's enterprise messaging platform, ensuring high availability across data centers.
    - Developed automation workflows that minimized manual errors and improved uptime metrics.
    - Acted as escalation lead for production systems and mentored engineers in reliability best practices.

## STRATEGIC ACHIEVEMENTS

- Directed multi-region DevOps operations and standardized CI/CD pipelines across hybrid environments.
- Drove the adoption of Chaos Engineering and monitoring frameworks to validate resilience pre-production.
- Contributed to CAD application development and optimization on high-performance computing platforms such as IBM Z-Series mainframes and HP Supercomputers.
- Championed cost optimization through workload right-sizing and automation, achieving measurable savings.
- Built and led DevOps teams that improved deployment velocity and collaboration across departments.
- Defined governance models for Infrastructure as Code and change management aligned with compliance standards.

## EDUCATION

Bachelor of Engineering, Computer Science | Bharathidasan University | Tamil Nadu, India