RAJANIKANTHSINGH VISWANATHAN

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SUMMARY

Senior DevOps and Cloud Infrastructure Architect with over 15 years of experience in designing and managing enterprise environments across AWS, Azure, and GCP. Specializes in infrastructure architecture, CI/CD pipeline development, and system automation. Successfully led global teams to improve operational efficiency and implement strategies for enhanced reliability and scalability. Demonstrated ability to drive business growth through effective management and strategic improvements.

SKILLS

- Linux and AIX systems
- Cloud services: AWS and Azure
- Configuration management: Puppet ansible and Terraform
- Containerization: Docker, Kubernetes and Harbor
- Continuous integration: Jenkins and Git
- Scripting languages: Shell and Python
- Monitoring tools: ELK Stack and Dynatrace
- Hybrid infrastructure solutions
- Infrastructure performance monitoring
- DevOps automation techniques
- CI/CD pipeline implementation
- Process automation frameworks
- Cloud management practices
- Team leadership skills
- Technical documentation expertise

EXPERIENCE

DEVOPS ARCHITECT

Xperi | Jun 2021-Current

- Lead the design, deployment, and optimization of hybrid infrastructure across Azure and on-premises environments, ensuring reliability, scalability, and performance at enterprise scale.
- Key Achievements & Responsibilities:
- - Directed large-scale infrastructure operations across Azure cloud and co-located datacenters, maintaining uptime, availability, and performance.
- - Architected CI/CD pipelines and DevOps automation frameworks using Jenkins, Terraform, and Ansible.
- - Developed custom tools and scripts to automate provisioning, scaling, and monitoring.
- 5+ years of experience designing and scaling distributed data systems, with deep expertise in NoSQL technologies, Cassandra, and Scylla DB
- Designed and implemented Blue-Green and Canary deployment strategies to achieve zero-downtime releases and rapid rollback capability across production environments

- - Implemented proactive monitoring with Prometheus, Grafana, and Dynatrace.
- - Drove process automation to reduce manual operations and improve consistency.
- - Served as Team Lead, mentoring engineers, facilitating collaboration, and ensuring technical excellence.
- - Oversaw 300+ microservices daily in Tomcat, Spring Boot, and Docker environments.
- - Managed incident response workflows and on-call rotations for critical infrastructure.
- - Promoted continuous improvement and feedback culture across DevOps teams.
- Environment: Azure, AWS, RHEL/CentOS 5–8, Puppet, Salt, Terraform, Bitbucket, Foreman, VMware, Apache, Grafana, Prometheus, Dynatrace, Jenkins, Jira, Docker, Harbor, Redis, Cassandra, ELK, IPA/LDAP.

Sr. DevOps Consultant

Mobitv Inc | Aug 2017-Jun 2021

- Conducted application performance analysis, identifying key optimization opportunities.
- Developed and documented IT infrastructure investment plans focused on cost reduction.
- Assisted in the creation of strategies, roadmaps, and reference architectures for improved system design.
- Supported the engineering team with installation, configuration, and maintenance of networking equipment.
- Researched emerging technologies to enhance infrastructure for application development.
- Documented existing IT architecture and technology portfolio to facilitate knowledge sharing.
- Contributed to Continuous Improvement initiatives, refining architecture processes.
- Diagnosed and resolved global system and network issues efficiently.

Sr. DevOps Consultant

Williams-Sonoma | CA | Jun 2016-Aug 2017

- Managed and optimized Linux and VMware infrastructure to support scalable cloud operations
- - Automated provisioning, compliance, and release workflows using Puppet and CloudBolt
- - Developed reusable Puppet modules to standardize infrastructure deployment
- - Migrated Tomcat applications from on-premises to cloud platforms, improving scalability and reliability
- - Collaborated with offshore teams to resolve critical cloud infrastructure incidents and ensure service continuity
- - Mentored offshore engineers and resolved high-priority incidents efficiently.
- Environment: RHEL/AIX 5–7, Puppet, Git, Apache, SAN, Syslog-ng, CloudBolt, Zenoss, AWS, Azure, Jenkins, Jira

Sr. DevOps Consultant

Apple Inc. | CA | May 2013-Jun 2016

- Implemented and managed full automation for Apple MQM Engineering using Puppet.
- - Designed modular automation workflows for Tomcat, JBoss, and Jetty.
- - Integrated Git and r10k pipelines to streamline infrastructure code deployments.
- - Improved operational uptime, consistency, and system efficiency through automation.

- Environment: Oracle Linux, CentOS, JBoss, Puppet, Git, Apache, MySQL, Cassandra, AWS, Zenoss, VMware, Jenkins, Chef, Docker, Splunk.

Sr. Software Engineer
OSR Solutions | NJ | May 2006-Apr 2013
- Managed the Comcast Messaging Platform Technology Infrastructure, supporting mail and account services across multiple business units.
- - Administered and automated Zimbra mail servers, in-house applications, and MySQL database environments to ensure high availability and performance.
- - Installed, configured, and monitored Linux standalone and multi-node Veritas clusters for JBoss application servers and databases in a fault-tolerant setup.
- - Designed and implemented CFEngine-based automation frameworks for enterprise infrastructure deployment and management.
- - Acted as SME for Zimbra applications, ensuring proactive monitoring, troubleshooting, and resolution of critical database and application issues.
- - Designed, built, and supported Veritas Cluster, VxVM, and Nagios solutions for real-time replication of mission-critical databases, enabling online upgrades and seamless OS migrations.
- - Managed top-level escalations across enterprise environments and provided technical leadership on system architecture and automation.
- Client: Comcast, CO

EDUCATION
Bachelor of Engineering: Computer Science
Bharathidasan | Tamil Nadu, India

KEY AREAS OF SPECIALIZATION INCLUDE
- Infrastructure Maintenance: Managing and optimizing hybrid infrastructure across Azure and co-located data centers to ensure high availability, reliability, and peak performance; adept at incident response and critical recovery operations during off-hours when required.
- Technical Solution Development: Architecting and deploying advanced CI/CD pipelines and automation frameworks to enhance delivery speed, consistency, and system resilience.
- Tool Creation and Management: Designing custom tools to streamline monitoring, scaling, and operational efficiency across multi-cloud environments.
- Proactive System Monitoring: Implementing advanced monitoring and alerting to detect and resolve system and application issues before impact.
- Process Automation: Engineering robust automation strategies to reduce manual intervention and human error, ensuring consistent, repeatable, and optimized workflows.
- Leadership & Mentoring: Leading high-performing DevOps teams by driving collaboration, mentoring engineers, guiding complex problem-solving, and ensuring the delivery of reliable infrastructure solutions aligned with organizational goals.