SRINIVASAN VIJAYARAGHAVAN

DevOps Engineer | Cloud Infrastructure & Automation

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SUMMARY

DevOps Engineer with 5 years of turning fragile, manual deployments into fast, reliable automation across AWS and Azure. I build the pipelines, safety nets, and monitoring that let teams ship confidently — and I'm now leveling up toward Cloud Solutions Architecture.

CORE COMPETENCIES

- CI/CD & Automation: GitHub Actions, GitLab CI, pipeline design, rollback/promotion workflows, code quality gates
- Cloud Platforms: AWS (EC2, Security Groups, Key Pairs) · Azure (Storage, NLB, App Config, ACR, AzCopy, Bicep)
- Configuration & Containers: Ansible, Jinja2, vars/vault architecture, Docker, ARM images, WiX & dpkg packaging
- Scripting & Languages: Python, Bash/Shell, Batch, YAML, C/C++, .NET deployment automation
- Monitoring & Systems: Datadog, HTTP/service health validation, SSH, Wireshark, Linux/Ubuntu, Windows Server, RHEL
- Microservices & Migrations: Service provisioning, DB scripting, traffic routing, Azure migrations, DR operations

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Software Architecture Foundations — LinkedIn Learning, Jul 2026
- Advanced GitHub Actions — LinkedIn Learning, Mar 2026
- Building Infrastructure as Code (IaC) with Azure Bicep, Part 1 — LinkedIn Learning, Mar 2026
- Learning GitLab — LinkedIn Learning, Mar 2026
- Networking Foundations: Networking Basics — LinkedIn Learning, Mar 2026
- Monitoring and Observability with Datadog — LinkedIn Learning, Jul 2025
- Red Hat Certified Engineer (EX294) Cert Prep Series: Foundations, Playbooks, Managing Systems with Ansible — LinkedIn Learning, Jun 2023
- DevOps Foundations: Continuous Delivery/Continuous Integration — LinkedIn Learning, Jun 2023
- Azure Essential Training for Developers & Learning Azure DevOps — LinkedIn Learning, Jun 2023

WORK EXPERIENCE

DevOps Engineer | Thomson Reuters

Jun 2023 – Present · Bangalore, India

Own end-to-end CI/CD, configuration management, and disaster-recovery automation for a fleet of production microservices spanning AWS and Azure environments.

Automation & Workflow Engineering

- Designed and shipped a full GitHub Actions automation suite covering instance provisioning, configuration promotion, multi-instance service operations, and DR failover/failback — replacing manual runbooks with self-service workflows.
- Hardened workflow security and observability with dynamic workflow naming, permission-based access controls, real-time logging, and environment-aware validation gates (Apache, NLB, service health) to catch failures before they reached production.
- Built automated rollback and recovery pipelines — DB restoration, service resets, checkpoint cleanup, and external system sync (Akamai, Pingdom) — reducing recovery time and manual cleanup after failed deployments.
- Built cross-platform automation linking GitHub Actions to Azure Pipelines and Azure Table Storage (SAS-authenticated), including inventory generation and migration-summary reporting for stakeholders.

Configuration Management & Ansible Engineering

- Architected a centralized variable and secret-management system (vars.yml / vault.yml) that standardized configuration across every deployment environment, eliminating environment drift.
- Automated cross-environment configuration syncing — duplicate key cleanup, lifecycle updates, and ID normalization — removing a recurring source of manual config errors.

- Built conditional BYOK configuration logic using Jinja2 templating with selective property copying and Azure App Config integration.
- Modularized Apache deployment and restart workflows with enforced validation checks, making provisioning repeatable and less error-prone across teams.

Monitoring, Validation & Reliability

- Built a fail-fast Apache validation framework (service state, HTTP 200 checks, NLB convergence, healthcheck verification) that stopped bad deployments before they impacted users.
- Integrated Datadog dashboards, alerting, and Teams notifications directly into deployment pipelines, giving the team real-time visibility into rollout health.
- Engineered robust error handling for DR operations, connectivity failures, DB sync issues, and microservice-specific edge cases, improving overall pipeline resilience.

Cloud, Networking & Migration Automation

- Automated DNS cutovers with Python and the Akamai API for MX and record updates, eliminating manual DNS changes across environments.
- Built a parallelized migration framework (Azure Storage, custom runners, delta detection, AzCopy) that sped up large-scale data transfers and reduced migration downtime.
- Designed shared-resource synchronization and migration frameworks for Solr and application servers to keep environments consistent during platform migrations.

Microservices Deployment & Platform Enhancements

- Provisioned and upgraded internal microservices end-to-end — dynamic DB scripts, startup configs, routing rules, and validation checks — supporting continuous platform modernization.
- Built modernization and maintenance-status workflows with service messaging, endpoint validation, and tenant DB updates, streamlining status communication across teams.

DevOps Engineer | GraniteRiverLabs

Sep 2021 – Jun 2023 · Bangalore, India

Built CI/CD pipelines and deployment tooling from the ground up across Linux, Windows, and cloud environments for embedded and enterprise applications.

- Built and automated Docker image pipelines for frontend and backend environments, including tagging, pushing, and deployment workflows — cutting release steps from manual to one-click.
- Deployed and maintained static .NET applications on AWS EC2, configuring Security Groups, inbound/outbound rules, and Key Pair management for secure access.
- Designed an automated testing pipeline for WiX-based installers in GitHub Actions, producing signed, release-ready applications directly from source with no manual packaging.
- Managed CI for Linux applications using dpkg, standardizing build and deployment automation across the team.
- Restructured GitHub repositories to enforce linting, unit testing, code formatting, and PR quality gates, raising code-review consistency across contributors.
- Built automated ARM-based machine images with optimized configs and wrote Bash/Shell scripts for ongoing system performance monitoring.
- Implemented deployment pipelines for Project MATTER (CSA), including Zigbee-related automation for smart-device interoperability testing.
- Created and deployed a custom Windows-based Wireshark installer for THREAD protocol analysis, with ongoing enhancements delivered through GitLab CI.

EDUCATION

B.E., Electronics and Communication

MIT, Anna University — Chennai, India · Aug 2021