

SHIVA RAJAN

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SUMMARY

Devops Engineer with 2+ years of experience at Amazon designing CI/CD pipelines, cloud-native automation & production reliability systems on AWS. Delivered a 60% reduction in deployment time and MTTR by building serverless monitoring and automated incident triage. Skilled in **Kubernetes, AWS, Docker & Python-based automation**, with a track record of driving release velocity & system stability for high-scale **microservices** environments.

SKILLS

CI/CD & Collaboration:	Jenkins, GitHub Actions, GitLab, Git, Jira, SDLC/Agile
Containerization & Orchestration:	Docker, Kubernetes
Cloud & Infrastructure:	AWS (S3, IAM, EC2, Lambda, Cloudwatch, VPC), Linux, Terraform, Ansible
Scripting:	Python, Java, Bash, SQL, REST APIs
Databases:	PostgreSQL, DynamoDB
Monitoring:	Prometheus, Grafana, EFK Stack

EDUCATION

Vellore Institute of Technology	B.Tech in Computer Science	GPA: 8.67 / 10	July 2023
Sachdeva Public School, Delhi	Higher Secondary CBSE	GPA: 9.18 / 10	May 2019

WORK EXPERIENCE

Platform Engineer | Amazon | (Chennai, India) Jan 2024 - Jan 2026

- **Designed and implemented CI/CD pipelines for a microservices architecture** using Infrastructure-as-Code principles, reducing deployment time by 30% and improving release reliability across production environments.
- Tracked sprint deliverables via Jira within an **Agile/Scrum framework, applying shift-left principles** to surface infrastructure and reliability risks early in the SDLC.
- Drove resolution of 50+ production incidents through structured **root cause analysis** and systematic troubleshooting improving overall system stability.
- Engineered serverless monitoring and incident triage automation leveraging **AWS Lambda, CloudWatch & API gateway**, reducing **Mean Time to Resolution (MTTR)** by 40% & enabling proactive incident response.
- Authored and maintained **operational runbooks** as part of an **Operational Excellence** initiative, adopted team-wide to improve on-call ramp-up speed by 25% and improve response consistency.
- Assisted in **monitoring and troubleshooting rolling deployments on Amazon EKS**, tracking pod lifecycle events, analyzing container logs via kubectl supporting **zero-downtime** release execution.
- **Monitored product health metrics using Kibana dashboards**, tracking log patterns, error rates, and system anomalies to support proactive issue identification.
- Collaborated with **cross-functional** teams (developers, QA, stakeholders) both **offshore and onshore** in code reviews and design discussions, ensuring alignment on reliability standards & release readiness.

Platform Engineer (Intern) | Amazon | (Chennai, India) Jan 2023 - June 2023

- Extended a cloud-based automation framework on AWS, expanding automated coverage to 100+ deployment validation scenarios and increasing confidence in production releases.
- Diagnosed and resolved release-blocking automation failures, restoring deployment stability & eliminating critical bottlenecks across production environments.

PROJECTS

Production Grade CI/CD Automation | Amazon Jan 2024 - Jan 2026

- Provisioned the complete pipeline infrastructure using **Infrastructure as Code**, covering IAM, Lambda-driven Jira automation, S3 log storage, and Jenkins configuration enabling a fully automated, repeatable deployment pipeline with zero manual intervention.
- **Eliminated manual** validation cycles and environment provisioning overhead by fully automating the end-to-end test and deployment workflow **reducing engineering effort** on repeat release tasks and enabling the QA team to scale test coverage

Scalable Knowledge Driven RAG API

[Github](#)

TechStack: Python, FastAPI, VectorDB, Ollama, Docker, Kubernetes, GitHub Actions

- Designed & deployed a containerized RAG API with **Kubernetes orchestration**, enabling horizontally scalable service deployments.
- Implemented health checks, auto-recovery & replica management to achieve **high availability** and fault tolerance
- Built end-to-end CI/CD pipelines for application validation using GitHub Actions.

Deployment Infrastructure Automation on AWS

[Github](#)

- Deployed a fully containerized application on **AWS EKS** using **Terraform** provisioned infrastructure as code (EC2, IAM, EKS), enabling **zero-touch deployments** through Jenkins and GitHub Webhooks.
- Automated Docker builds and Kubernetes rolling deployments via **Jenkins Declarative Pipelines**, with real-time **uptime monitoring** using Uptime Kuma.