

AARJAV JAIN

DEVOPS & CLOUD ENGINEER | AWS | KUBERNETES | TERRAFORM | CI/CD | GITOPS

Delhi NCR, India | Immediate Joiner | Open to Relocate: Bengaluru, Hyderabad, Pune, Mumbai | Open to Remote Opportunities

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PROFESSIONAL SUMMARY

Entry-level DevOps & Cloud Engineer and B.Tech Computer Science & Engineering (AI & ML) graduate with hands-on project experience in AWS, Kubernetes, and infrastructure automation. Built Terraform-managed AWS environments and containerized applications; developed CI/CD pipelines using Jenkins and GitHub Actions, and GitOps delivery workflows with Argo CD and Argo Rollouts. Applied DevSecOps practices using SonarQube, Trivy, SBOM generation, and Cosign signing, alongside monitoring and logging with Prometheus, Grafana, Loki, and Alloy. The two-month internship at Zetheta Algorithms included CI/CD workflow documentation, AWS disaster recovery analysis, Kubernetes security review, and FinOps recommendations. Seeking an entry-level DevOps or Cloud Engineering role.

TECHNICAL SKILLS

AWS & Cloud: EC2, EKS / EKS Auto Mode, VPC, IAM, S3, ECR, RDS MySQL, ElastiCache Redis, DynamoDB, EBS, ALB, Auto Scaling, CloudWatch, CloudFront, Route 53, ACM, WAFv2, Secrets Manager, KMS, CloudFormation

Containers & Kubernetes: Docker, Docker Compose, Kubernetes (K8s), Minikube, Helm, kubectl, Ingress, Deployments, StatefulSets, Services, ConfigMaps/Secrets, PV/PVC, HPA, PDB, health probes (Liveness/Readiness), RollingUpdate, securityContext, non-root containers, seccomp

CI/CD & GitOps: Jenkins, Jenkinsfile (Declarative), GitHub Actions, GitHub Webhooks, Git, GitHub, build/test automation, linting, semantic image versioning, Helm releases, Argo CD, Argo Rollouts (Canary), rollout verification, automated rollback

IaC & Automation: Terraform (modules, workspaces, variables/tfvars, remote state/backend, S3, DynamoDB state locking, imports, lifecycle rules, provisioners), EC2 user data, Bash/Shell scripting, Python

DevSecOps: SonarQube, SAST, Quality Gates, Trivy filesystem/container/IaC scanning, GitHub OIDC, Syft, CycloneDX SBOM, Cosign signing/attestation, IAM least privilege, security groups, Network ACLs, secrets handling

Observability & FinOps: Prometheus, Grafana, Loki, Alloy, Promtail, OpenCost, dashboards, alerting, metrics scraping, log aggregation, FinOps

Linux, Networking & Other: Linux/Ubuntu administration, Nginx, SSH, systemctl, curl, TCP/IP, DNS, HTTP/HTTPS, CIDR, subnets, routing, Node.js, Express.js, JavaScript, React, Vite, Socket.IO, Python/Flask, .NET Core, MySQL, PostgreSQL, MongoDB, Redis

INTERNSHIP EXPERIENCE

DevOps & Cloud Engineer Intern | Zetheta Algorithms Private Limited | 2026

- Supported CI/CD workflow documentation for a banking application, covering build and test automation, SAST quality gates, approval workflows, and deployment verification to capture release sequencing and control checkpoints.
- Evaluated multi-region AWS disaster recovery options for a sample payment platform, comparing Active-Passive and Active-Active approaches, regional resilience considerations, and RPO/RTO trade-offs for recovery planning.
- Reviewed Kubernetes security practices, including RBAC and access control, namespace and network isolation, secrets management, container image scanning, and monitoring fundamentals as part of a structured security review.
- Analysed a simulated AWS cost scenario and prepared FinOps recommendations for resource tagging, sizing, storage and data-transfer reduction, and cost alerts to improve cost visibility and resource efficiency.
- Documented review findings, identified gaps, and recommended follow-up actions across CI/CD, disaster recovery, Kubernetes security, and cloud-cost controls.

PROJECTS

PokéVault Legends - Cloud-Native E-Commerce & GitOps Platform | AWS EKS Auto Mode, Terraform, Argo CD, GitHub Actions

Live: aarjav.site | GitHub: github.com/itsme-aarjav/POKEVAULT-LEGENDS

- Designed two-tier Terraform infrastructure separating persistent foundation services from on-demand runtime resources; automated deployment and teardown with Bash.
- Deployed Node.js/Express microservices behind Nginx and an ALB on AWS EKS; integrated RDS MySQL, ElastiCache Redis, Secrets Manager, External Secrets Operator, and IRSA.
- Implemented Argo CD GitOps synchronization and Argo Rollouts canary releases; added GitHub Actions checks, Trivy scans, Syft/CycloneDX SBOMs, and keyless Cosign signing/verification.
- Configured WAFv2, CloudFront/S3 delivery, Prometheus/Grafana metrics, Loki/Alloy logs, and OpenCost-backed Grafana dashboards for current cost visibility and cost forecasting.

Votex - Cloud-Native Distributed Voting & Analytics Platform | AWS EKS, Terraform, Jenkins, Helm

GitHub: github.com/itsme-aarjav/votex

- Provisioned VPC/EKS with modular Terraform; deployed Flask vote API, Redis queue, .NET Core worker, PostgreSQL on EBS, and Node.js/Socket.IO live results.
- Built an 8-stage Jenkins pipeline with tests, SonarQube quality gates, Trivy scans, Docker publishing, and Helm deployment with health-check rollback.
- Configured rolling updates, probes, PDB, HPA, Prometheus/Grafana dashboards and alerting, plus deployment/teardown automation.

Full-Stack ChatApp - DevOps & Kubernetes Deployment | Jenkins, Docker, Minikube, Helm

GitHub: github.com/itsme-aarjav/full-stack-chatApp

- Containerized React/Vite and Node.js/Express/Socket.IO services with MongoDB using multi-stage Docker images, non-root users, and Nginx API/WebSocket routing.
- Automated an 8-stage Jenkins pipeline with GitHub webhooks, SonarQube, versioned Docker images, Trivy scans, Helm releases, rollout checks, and rollback verification.
- Deployed app workloads and MongoDB StatefulSet to Minikube on AWS EC2 with Ingress, ConfigMaps/Secrets, HPA, health probes, and persistent storage.

AWS Multi-Environment Infrastructure Automation | Terraform, EC2, S3, DynamoDB

GitHub: github.com/itsme-aarjav/terra-multi-environment-project

- Provisioned isolated Development, Staging, and Production environments using Terraform workspaces and tfvars; managed EC2, S3, DynamoDB, security groups, key pairs, and EBS.
- Automated Ubuntu instance setup and Nginx installation with EC2 user data; documented state verification, access, deployment, and teardown workflows.

EDUCATION

B.Tech, Computer Science & Engineering (AI & ML) | Ajay Kumar Garg Engineering College, Ghaziabad (AKTU) | 2022 - 2025

Diploma, Automobile Engineering | Guru Tegh Bahadur Polytechnic Institute, Delhi Board of Technical Education | 2019 - 2022

CERTIFICATIONS

Containers & Kubernetes Essentials - IBM (2026) | Docker Essentials: A Developer Introduction - IBM (2026) | Solutions Architecture Job Simulation - Forage (2026)

PUBLICATION

Grow Ease: The Smart and Ultimate Solution for Home Gardening | International Journal of Advanced Engineering Application, Vol. 2, Issue 5 | 2025.

Co-authored research on a smart gardening application integrating AI/ML, IoT, and MongoDB.