

HARSHIT KANDHWEY

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SUMMARY

Cloud & DevOps Engineer with 2.5+ years designing AWS infrastructure, automating operations, and supporting enterprise-scale migration pipelines. Delivered \$200K+ in annual cloud savings, reduced manual validation effort by 70% across 500+ servers, and maintained 99.5% uptime SLA for Fortune 500 clients including GE Healthcare, MUFG, and Telenor. Hands-on with ECS Fargate, blue-green deployments, OIDC-based CI/CD, and modular Terraform. AWS Solutions Architect Associate certified.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, ECS Fargate, RDS, S3, Lambda, VPC, IAM, CloudWatch, ECR, ElastiCache, SSM, Secrets Manager)

IaC & CI/CD: Terraform (modular, remote state, multi-env), CloudFormation, Ansible, GitLab CI, GitHub Actions (OIDC, blue-green)

Containers & Testing: Docker, Docker Compose, ECS Fargate (Spot + On-Demand), Playwright (E2E CI pipeline integration)

Scripting & Monitoring: Python, Bash/Shell Scripting, CloudWatch (alarms, dashboards), Prometheus, Grafana

OS & Tools: Linux (Ubuntu, RHEL, Amazon Linux), Windows Server, Git, GitHub

PROFESSIONAL EXPERIENCE

Software Engineer | Trianz Digital Consulting Pvt. Ltd

Bangalore, Karnataka | Oct 2023 – Present

- Engineered Python and Bash automation scripts to validate and configure 500+ Linux and Windows servers, cutting manual pre-migration effort by 70% and ensuring consistent system readiness across enterprise client environments.
- Performed application discovery and dependency analysis for enterprise migrations — assessing utilization patterns, upstream/downstream dependencies, and compliance requirements — providing data-driven inputs to cloud architects for target state infrastructure design decisions.
- Designed and deployed AWS infrastructure (Terraform + CloudFormation: VPCs, EC2, RDS, S3, IAM) driving 40% reduction in annual cloud spend (\$200K+ savings) for Fortune 500 clients through rightsizing and reserved instance planning.
- Conducted 200+ infrastructure assessments and capacity planning engagements for GE Healthcare, MUFG, and Telenor, producing cost optimization, performance, and scalability reports for technical and executive stakeholders.
- Integrated Playwright E2E test suite as a pre-deployment gate in GitLab CI pipeline, blocking releases on test failure and eliminating regression escapes; remediated production incidents reducing recurring downtime by 30%.

PROJECTS

Ephemeral Deploy — Production AWS/ECS DevOps Pipeline | [GitHub](#)

Technologies: AWS, ECS Fargate, Terraform, GitHub Actions, Docker, Prometheus, Grafana

- Built production-grade AWS deployment pipeline for a containerised REST API — modular Terraform across 8 modules (VPC, ECS, RDS, ElastiCache, ECR, IAM, security groups, monitoring) with S3 remote state and per-env isolation (dev/prod)
- Keyless OIDC CI/CD with no stored credentials; Terraform-native blue-green deployment with SSM active-slot switching and layered secrets pipeline (SSM KMS-encrypted → Secrets Manager → ECS runtime injection)
- Dual observability: Prometheus + Grafana + CloudWatch; 30-min TTL dev environments on Fargate Spot reduce per-run cost to ~\$0.02.

Cloud Instance Recommender — Multi-Cloud VM Rightsizing Tool | [GitHub](#)

Technologies: JavaScript, AWS, Azure, GCP, HTML, CSS

- Browser-based multi-cloud VM rightsizing tool for AWS, Azure, and GCP — rule engine with ENV, OS, Workload, Compliance (PCI/HIPAA/SOC2/FIPS) filters; Like-to-Like and Optimized (N/2, N, N+1) recommendations; client-side only, zero data transmission; live demo on [GitHub Pages](#)
- Multi-cloud side-by-side comparison in single run; AWS Pricing Calculator bulk CSV export; modular JavaScript architecture with provider-specific subclasses and pure rule engine function

EC2-Docker-Pipeline — 3-Tier Application on AWS | [GitHub](#)

Technologies: AWS, Terraform, Docker, Docker Compose, GitHub Actions

- Deployed 3-tier app (React + Node.js + MongoDB) on AWS EC2 with Terraform (VPC, EC2, IAM) and Docker Compose; GitHub Actions CI/CD with SSH deploy, Docker rebuild, and health checks — complete deployments in ~2-3 minutes.
- Security best practices: IP-restricted SSH, EBS encryption, IMDSv2 enforcement, least-privilege IAM, all credentials via GitHub Secrets

EDUCATION & CERTIFICATIONS

B. Tech — Computer Science & Engineering (AI & ML Specialization) | SRM Institute of Science and Technology, Chennai | 2019–2023

- CGPA: 9.4 / 10.0

AWS Solutions Architect Associate — Amazon Web Services | [Credly Badge](#)

AWS Cloud Practitioner — Amazon Web Services | [Credly Badge](#)