

HIREN TIMBADIYA

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SUMMARY

DevOps engineer working on cloud infrastructure, CI/CD, and observability for a SaaS security platform. Currently at Armorcode, where I cut compute spend, sped up pipelines, and built backup/DR for stateful workloads across Terraform, Kubernetes, Jenkins, ELK, Prometheus and Grafana.

EDUCATION

L.D. College of Engineering, B.E. Information Technology | CGPA: 8.66/10

Jul 2020 to Jul 2024

EXPERIENCE

DevOps Engineer | [Armorcode Inc.](#), Gurugram, India

May 2024 to Present

Promoted from Associate DevOps Engineer.

- **Killed the daily ~1-hour customer release call** by building a polling-based remote execution system: Lambda + API Gateway accepts a JSON payload of Jenkins jobs, stores them in DynamoDB, and customer-side Jenkins polls the table to execute them sequentially, reporting status back.
- **Designed cross-region, cross-account Backup & DR** for RDS/Aurora, DocumentDB, and OpenSearch using EventBridge + Lambda with KMS encryption and automated health checks.
- **Deployed AWS Load Balancer Controller on EKS** and configured ALB-backed **Ingress with host/path-based routing** rules to distribute traffic across 3 internal services
- Maintained **Helm charts** for internal Kubernetes workloads with **environment-specific values.yaml** overrides for qa/staging/prod
- **Cut compute costs ~11% (\$8,600 to \$7,640/mo, saving \$960/month)** by **migrating workloads from x86 to ARM Graviton** with zero performance regression.
- Boosted CI/CD **throughput ~80%** and **trimmed agent costs by ~\$224/mo** by migrating Jenkins to ECS/EC2 on-demand agents.
- **Cut idle compute spend by ~\$300/mo via ECS step scaling** driven by SQS queue depth for AI-correlation workloads.

Software Engineer Intern, DevOps | [LaNet Team Software Solution Pvt. Ltd.](#), Surat, India

Nov 2023 to Apr 2024

Internship spanning cloud security, CI/CD, and frontend collaboration.

- **Eliminated 40% of overprivileged IAM roles via quarterly security audits**, hardening policies and security groups across dev and prod.
- Set up Prometheus + Grafana dashboards for service health, materially reducing mean time to debug.
- **Migrated hardcoded API keys into Google Secret Manager**, closing a real credential-exposure gap across environments.

PROJECTS

Infrin, Desktop App for Managing Linux Servers over SSH

Rust, Tauri, React, TypeScript, SQLite, AWS SDK, MCP, Docker, Playwright

- **Swapped SSH tabs, scp and htop for one window:** terminal, files, Docker, services, cron, logs, metrics, alerts and runbooks, **plus a read-only MCP server (secrets masked) so AI tools can look but never change.**
- Made private EC2 reachable with no open port or key file: SSH over Session Manager with one-time in-memory keys.
- **Made folders load ~17x faster** (2+ min to 7 s) and 130 MB logs open in under 100 ms; 900+ checks on 4 Linux distros.

AWS Network Firewall, Egress Filtering (IaC) [\[GitHub\]](#)

Terraform, AWS Network Firewall, VPC, CloudWatch, GitHub Actions

- Provisioned multi-AZ AWS Network Firewall with dedicated firewall subnets per AZ, separate public/private tiers, and NAT-based egress routing.
- **Engineered domain-based egress allowlist using HTTP_HOST and TLS_SNI rule groups, plus stateful rules for DNS, SSH, ICMP, and established TCP flows.**
- Phased rollout via a configurable `enable_strict_mode` Terraform var (monitor to strict drop); full observability through CloudWatch logs and GitHub Actions CI running `fmt/init/validate` on every PR.

TECHNICAL SKILLS

Languages & Tools: Java, Python, Bash, Go, Linux, Docker, Kubernetes, Helm, Ansible, Packer

Cloud & IaC: AWS (EC2, ECS, EKS, RDS, OpenSearch, Lambda, API Gateway, KMS, EventBridge, WAF, Route 53), GCP, Terraform, CloudFormation

CI/CD & Observability: Jenkins, GitHub Actions, GitLab CI, ArgoCD, Prometheus, Grafana, ELK, Loki, New Relic, CloudWatch, SonarQube, Semgrep, Trivy

Data Stores & Practices: Elasticsearch, Kafka, Redis | SLOs/SLIs, MTTR reduction, GitOps