M ROHIT SINGHA

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Career Objective

DevOps Engineer with 4+ years building cloud-native infrastructure, CI/CD, and production platforms on AWS and Kubernetes using Terraform, Docker, Bitbucket Pipelines, Jenkins, MongoDB Atlas, and Python/Bash.

Skills

- **Orchestration:** Kubernetes, Docker, Rancher, Helm, Kubeadm, Ceph, Amazon ECS
- **CI/CD, IaC & Config:** Bitbucket Pipelines, Jenkins, GitLab CI, ArgoCD, Git, Terraform, Ansible, HAProxy
- **Cloud:** AWS (ECS, EC2, ALB, CloudFront, Route53, S3, IAM, VPC, NAT, ACM, CloudWatch, ECR, Secrets Manager, KMS, SNS, SQS, MSK, CloudMap, Lambda)
- **Observability:** Grafana, OpenTelemetry, Datadog, Prometheus, ELK, VictoriaMetrics, Alertmanager, CloudWatch
- **Security:** SonarQube, Trivy, OWASP, RBAC, Secrets Manager, ACM/SSL, Git branching policies
- **Languages & Scripting:** Python, Bash, Golang, TypeScript, Node.js, FastAPI, Next.js, React
- **Data & Messaging:** MongoDB/Atlas, MySQL, PostgreSQL, Redis, SQLite, Amazon MSK, Kafka (basic)
- **AI & Frontend:** Hugging Face Transformers, OpenAI/Groq/Gemini APIs, Tailwind CSS, Framer Motion, PM2

Experience

- **DevOps / Cloud Engineer** *Jan 2026 – Present*
  ASBL Hyderabad, Telangana
  - Designed and improved AWS production infrastructure (ECS, EC2, ALB, CloudFront, Route53, S3, IAM, VPC, CloudWatch, ACM, Secrets Manager, KMS, SNS, SQS) for **10+** production services.
  - Built Bitbucket Pipelines for Docker builds, ECR publishing, and multi-env releases, cutting release lead time by **40%**.
  - Managed ECS rolling deployments, capacity planning, service discovery, and auto scaling, improving availability to **99.9%**.
  - Developed Terraform IaC for AWS resources, reducing manual provisioning effort by **50%** and improving consistency.
  - Configured secure AWS networking (VPC, NAT, Security Groups, ALB, Route53, ACM) across **3** environments (dev, staging, prod).
  - Administered MongoDB Atlas (users, networking, indexing, backups, tuning), reducing DB incident MTTR by **30%**.
  - Supported Redis, Amazon MSK, and CloudMap; automated ops with Bash/Python, saving **8 hours/week**.
  - Partnered with developers on production issues and performance, improving deployment success rate by **25%**.
- **Associate Application SRE** *Sep 2023 – Jan 2026*
  National Payments Corporation of India Hyderabad, Telangana
  - Operated multi-node Kubernetes clusters (Kubeadm, Rancher) with Ceph across **100+ nodes**, improving availability for critical payment systems.
  - Automated AWS provisioning with Terraform, cutting environment setup time by **60%**.
  - Built CI/CD with Jenkins, GitLab CI, and ArgoCD for **UPI, URCS, RuPay**, reducing deployment errors by **30%** and improving release frequency by **40%**.
  - Developed Python and Bash automation scripts, saving over **10 hours/week** in manual operations.
  - Implemented Grafana dashboards with Prometheus and VictoriaMetrics, cutting incident response time by **25%**.
  - Configured HAProxy for high availability and load balancing, achieving **99.99%** uptime.
  - Deployed reusable Helm charts to standardize K8s deployments (**40%** faster); enforced namespace RBAC and resource quotas.
  - Integrated SonarQube and Trivy security scanning, boosting vulnerability detection coverage by **50%**.
  - Built Golang SRE CLI/TUI ("sre-bro") on NPCI's Neuron LLM for secure learn/execute/remote/debug of Linux/SRE commands.
  - Conducted disaster recovery drills and chaos engineering exercises with **zero production downtime**.

Projects

- **End-to-End DevSecOps Pipeline for Netflix Clone**
  Jenkins, SonarQube, Trivy, Docker, Helm, EKS, Argo CD, Prometheus, Grafana
  - Automated Jenkins + ArgoCD GitOps to EKS with SonarQube/Trivy scanning (**+40%** deploy frequency, **+50%** vuln coverage); github.com/Rohit-01/DevSecOps-Project.
- **SoftifyAI – AI Corporate Softener**
  Next.js 15, TypeScript, React, Tailwind CSS, Framer Motion, SQLite, Hugging Face Transformers, OpenAI/Groq/Gemini APIs, PM2
  - Built a Next.js SPA that rewrites angry messages into polished corporate communications with multi-provider LLM fallback (OpenCode, OpenAI, Groq, Kimi, Gemini); live demo: softifyai.mrox.in.
  - Added SQLite reply caching, Hugging Face embeddings warm-up, and production Node.js/PM2 deployment.

Honors and Awards

- **Ninja Badge Winner – NPCI Playground Challenge (Python & SQL)**, NPCI *05, 2025*
- **"Well Done" Award** for chaos engineering on payment systems, NPCI *03, 2024*

Certifications

- **CKAD – Certified Kubernetes Application Developer** *02, 2025*
- **Microsoft Azure AZ-900** *04, 2024*
- **PGDM Advanced Certification in DevOps, Carnegie Mellon University** *10, 2023*

Education

- **Assam University** *05/2018 – 07/2022*
  Bachelor of Technology, CSE (GPA: 3.3/4.00) Silchar, India