

KALI SAIKIRAN

DevOps Engineer — Cloud & Platform Engineer

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SUMMARY

- DevOps Engineer with hands-on experience in automating CI/CD pipelines, managing cloud infrastructure, and maintaining high-availability production systems on AWS and Azure. Skilled in Infrastructure as Code (Terraform, Ansible, CloudFormation), infrastructure automation and provisioning (Packer), and container orchestration using Docker and Kubernetes. Proficient in scripting (Bash, Python, Golang), monitoring and alerting (CloudWatch, Prometheus, Grafana, ELK Stack), and delivering secure, scalable, and cost-efficient cloud solutions with a focus on reliability and operational excellence.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS, Azure, GCP
- **Infrastructure as Code (IaC):** Terraform, Ansible, CloudFormation, Packer
- **Containerization & Orchestration:** Docker, Kubernetes (EKS), Helm(pkg), ArgoCD
- **CI/CD & Automation:** Jenkins, GitHub Actions, Bitbucket Pipelines, Bitrise, AWS CodePipeline
- **Monitoring & Logging:** AWS CloudWatch, Prometheus, Grafana, ELK Stack, Graylog, Loki
- **Programming & Scripting:** Bash, Python, Golang, Shell
- **Databases & Caching:** MySQL, MongoDB, Redis, RDS (SQL Server)
- **Operating Systems:** Linux (Ubuntu, RHEL, CentOS), macOS, Windows
- **Networking & Security:** VPC, Subnets, IGW, NAT, Route Tables, ALB/NLB, DNS, SSL/TLS, IAM, KMS
- **Other Tools:** Karpenter, Nops, Nginx, Kong Gateway API, Cert Manage
- **GenAI:** factory.ai (droid), Augment, Codex, Claude, Gemini, Warp Terminal

PROFESSIONAL EXPERIENCE

- **Wenable Technologies Pvt. Ltd** Hyderabad, India
DevOps Engineer Nov 2023 – Present

Wenable Technologies develops **WeGuard**, an Android Enterprise Recommended EMM platform for managing and securing large Android device fleets. Recognized as a Google Gold Partner, WeGuard focuses on enterprise-grade security, scalability, and automated device lifecycle management.

Key Responsibilities:

- **Cloud Infrastructure & IaC:** Engineered and automated AWS infrastructure provisioning using **Terraform** and **CloudFormation**, and used **Packer** to standardize AMI builds for consistent environment deployments.
- **Kubernetes & Microservices:** Architected and operated **EKS** clusters for multi-language microservices (Java, Golang, Python, .NET). Implemented **Helm** charts and **ArgoCD** for GitOps-driven, zero-downtime deployments.
- **Autoscaling & Resilience:** Configured **Karpenter**-driven autoscaling and lifecycle policies with **Nops** to improve resource efficiency and fault tolerance across multi-OS environments (Linux, Windows, macOS).
- **CI/CD & Build Automation:** Designed CI/CD pipelines using **Bitbucket Pipelines**, **Dockerfiles**, and **Bitrise** for mobile builds. Integrated pipelines with ArgoCD and Jenkins where needed to ensure reliable continuous delivery.
- **Monitoring, Alerting & Observability:** Implemented monitoring and alerting using **AWS CloudWatch**, **Prometheus**, and **Grafana**; centralized logs with **Graylog**, **Loki**, and **OpenSearch** for faster incident triage.
- **Security, DNS & Certificates:** Automated SSL/TLS lifecycle management using **cert-manager**, managed DNS and routing with **Route 53** and **Cloudflare**, and enforced IAM/KMS best practices for data protection.
- **Database Operations:** Maintained **MySQL** and **MongoDB** instances; implemented backup/restore procedures, migration scripts, and Redis caching strategies for performance improvements.
- **Networking & Load Balancing:** Configured **Nginx Ingress Controllers** and AWS **ALB/NLB** for secure ingress, path-based routing, and traffic management.
- **Automation & Scripting:** Authored automation scripts in **Bash**, **Python**, and **Golang** for provisioning, certificate monitoring, and scheduled maintenance jobs.
- **Reliability & Recovery:** Supported disaster recovery planning and practiced HA deployment patterns, improving availability and recoverability of production services.

- **GENAI**: tools to accelerate scripting, CI/CD pipeline generation, log debugging, and documentation—reducing engineering time and improving delivery speed.

- **AssuredTechmatics (formerly Assured Tracking Inc)**
DevOps Engineer

Hyderabad, India / USA

Apr 2024 – Present

AssuredTechmatics builds **Apollo ELD**, a driver-friendly Electronic Logging Device solution for fleet safety and compliance. The product suite focuses on integrated fleet management, regulatory compliance, and operational reliability for trucking businesses.

Key Responsibilities:

- **Cloud Infrastructure Management**: Managed AWS infrastructure across Linux and Windows servers using **Terraform** and modular CloudFormation templates to ensure consistent, secure environments.
- **CI/CD & Mobile Builds**: Implemented CI/CD pipelines using **GitHub Actions** for backend services and **Bitrise** for Android/iOS build automation, improving release cadence and reliability.
- **Containerization & Orchestration**: Deployed containerized workloads with **Docker** and **Kubernetes (EKS)**; used **Helm** for templated releases and managed rollbacks for safe deployments.
- **Monitoring & Incident Response**: Built observability with **Prometheus**, **Grafana**, and integrated alerting; used centralized logging (Loki, Graylog) to accelerate root cause analysis and incident response.
- **Database & Backups**: Administered **Microsoft SQL Server (SSMS)** on **AWS RDS**, implemented automated backups, and tuned queries for production workloads.
- **Security & Compliance**: Managed SSL/TLS certificates and DNS (Route 53), implemented IAM least-privilege policies, and applied encryption with KMS for sensitive data.
- **Serverless & Hybrid Patterns**: Supported hybrid architecture patterns including **AWS Lambda** serverless components alongside EKS-hosted services when appropriate.
- **Cost Optimization & Governance**: Enforced autoscaling and automated shutdown policies for non-prod environments, and applied tagging and rightsizing to lower AWS spend.

EARLY TRAININGS & INTERNSHIPS

- **AWS Academy**: Cloud Computing (Remote from college)
- **Red Hat Linux**: Linux Administration (Remote from college)
- **Wenable Technologies**: On-site Internship

PROJECTS

- **E-KYC using Blockchain**: Developed a decentralized KYC system using **Ethereum**, **Metamask**, and **Web3.js**, improving data integrity and privacy.
- **Rubik's Cube Solver using AI/ML**: Built a cross-platform mobile application using **Flask**, **Flutter**, and **Dart** leveraging ML techniques for real-time solutions.

EDUCATION

- **Vignana Bharathi Institute of Technology**
Bachelor of Technology in Information Technology; GPA: 7.17

Hyderabad, India

Aug 2019 – June 2023

CERTIFICATIONS

- **AWS Certified Cloud Practitioner (Expired)**: Foundational AWS cloud concepts and core services.
- **AWS Cloud Architecture Certification (Expired)**: Skills in designing and implementing scalable infrastructure on AWS.
- **Cisco CCNA Certification (Expired)**: Networking fundamentals, IP connectivity, and security essentials.