Harshitha P S

Senior Cloud & DevOps Engineer

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Open to Global Relocation (Visa Sponsorship Required) — Open to Global Remote Roles

Senior Cloud & DevOps Engineer with 5+ years of hands-on experience designing, building, and operating production-grade platforms across multi-cloud environments, complemented by 2 years of engineering experience in industrial automation. Experienced across space tech, geospatial, and deep-tech domains, bringing exposure to technically complex, data-intensive engineering environments. Expertise in Platform Engineering, Terraform, Kubernetes, CI/CD, cloud architecture, and AI/ML infrastructure, with a strong focus on automation, reliability, security, and developer enablement. Proven track record in building resilient infrastructure, enabling scalable AI/ML workloads, streamlining software delivery and platform workflows, and driving cloud initiatives in fast-paced startup environments.

Platform Engineering • Cloud Architecture • Infrastructure as Code • MLOps
Kubernetes • CI/CD & GitOps • Observability • Cloud Security & Governance • FinOps

PROFESSIONAL EXPERIENCE

Career Break — Personal & Family Reasons **Feb 2026 – Present**

Senior Cloud/DevOps Engineer **Sep 2024 – Jan 2026**
SatSure Analytics India Pvt. Ltd. Bengaluru, India

- Centralized AWS multi-account infrastructure provisioning using Terraform, building 20+ reusable modules and variable-driven workflows that replaced fragmented console-based setup and reduced new account configuration to minutes.
- Established AWS Control Tower governance across 62 accounts, standardizing security guardrails, mandatory tagging, resource visibility, and cost governance; helping reduce cloud infrastructure costs by approximately 40%.
- Standardized Kubernetes application deployments using reusable Helm modules and CI/CD pipelines across Data Science, Engineering, and Geospatial teams.
- Designed and delivered production cloud architectures for international client platforms across multi-cloud environments, focusing on scalability, security, and operational consistency.
- Built an end-to-end MLOps platform using MLflow and KServe on Kubernetes for experiment tracking, model registry, and scalable real-time inference.
- Built internal DevOps tooling and implemented initial Backstage IDP capabilities to improve incident workflows, self-service infrastructure, standardized developer workflows, and service ownership.

DevOps Engineer **Oct 2022 – May 2024**
Pixxel Space India Pvt. Ltd. Bengaluru, India

- Built and managed AWS infrastructure using Terraform, including Amazon EKS clusters, node groups, storage, networking, autoscaling, and Helm-based application deployments across multiple environments.
- Designed and implemented 100+ AWS IAM policies and least-privilege access controls across users, teams, accounts, and microservices, strengthening platform security and access governance.
- Implemented centralized secrets management using HashiCorp Vault and reusable GitHub Actions workflows for secure secret injection into Helm-based Kubernetes deployments.
- Built and maintained CI/CD pipelines for applications and platform services, troubleshooting deployment, Kubernetes, networking, and firewall issues across environments.

- Deployed and configured observability and logging using Grafana, Loki, and Mimir, including dashboards and alerting for application and infrastructure health.
- Built components of a multi-cloud Client Data Exchange platform, including a Python backend supporting authentication and secure data-transfer workflows between AWS S3 and Azure Storage.

Software Engineer **Oct 2020 – May 2022**
Utthunga Technologies Pvt. Ltd. Bengaluru, India

- Designed and developed monitoring and analytics dashboards with automated data ingestion and KPI visualization for proof-of-concept and production client deployments.
- Built Overall Equipment Effectiveness (OEE) and OEE Loss analytics solutions, providing real-time visibility into equipment performance, production losses, and operational efficiency.
- Built and automated application deployment workflows using Docker, Amazon EKS, Jenkins, Bash, and configuration management tools, standardizing deployments and reducing manual deployment effort.
- Deployed and operated production applications across AWS and Azure environments, managing releases, troubleshooting infrastructure and deployment issues, and ensuring application availability and operational continuity.

Associate Project Engineer **Jun 2018 – Apr 2020**
Hi-Pro Tech Projects Pvt. Ltd. Bengaluru, India

- Delivered three end-to-end automated feeding and retrieval systems for manufacturing facilities across Karnataka, translating customer requirements into control system architecture, component selection, integration, testing, and on-site commissioning.
- Integrated and programmed PLCs, HMIs, sensors, motors, pneumatic, electrical, and mechanical systems, troubleshooting control and integration issues to ensure successful production deployment.

TECHNICAL EXPERTISE

Cloud Platforms	AWS, Azure, GCP
Infrastructure as Code	Terraform, Ansible
Containers & Kubernetes	Kubernetes, Docker, Helm, Amazon EKS, Azure AKS, GKE
CI/CD & GitOps	Argo CD, GitHub Actions, GitLab CI, Bitbucket Pipelines, Jenkins
Observability	Prometheus, Grafana, OpenTelemetry, Loki, Mimir, Datadog
Security & Secrets	HashiCorp Vault, Infisical, AWS Secrets Manager, Azure Key Vault
MLOps	MLflow, KServe, Kubernetes-based Model Deployment & Inference
Scripting & Programming	Python, Bash
Databases	PostgreSQL, MySQL, TimescaleDB

CERTIFICATIONS

Certified Kubernetes Administrator (CKA) — In Preparation

EDUCATION

Bachelor of Technology (B.Tech), Mechatronics Engineering **2018**
SRM Institute of Science and Technology, Kattankulathur CGPA: 8.0/10

LANGUAGES

English (Fluent) • Hindi (Fluent) • Kannada (Native) • Dutch (Beginner, Learning) • German (Beginner, Learning)