

Bhavuk

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[LinkedIn](#) , [Portfolio](#)

PROFESSIONAL SUMMARY

Lead DevOps & Platform Engineer with 7+ years of experience designing and operating **scalable cloud infrastructure across AWS and GCP**. Specialized in **Kubernetes**, orchestration and **zero-downtime deployment strategies**. Proven track record of building production-grade infrastructure from Day-0 (0 to 1) for high-growth startups, improving reliability, cost efficiency, and **security compliance (SOC2, ISO)**. Expert in enabling platform teams through robust CI/CD systems, observability, and distributed system operations. **AIOps integration** by deploying custom **Model Context Protocol (MCP) servers** and **Large Language Models (LLMs)** to automate complex infrastructure workflows and CLI-based troubleshooting.

PROFESSIONAL EXPERIENCE

Lead DevOps Engineer — Founding DevOps Member

Astuto.ai, Bangalore, Karnataka

Oct 2023 – Present

- Setting up and managing company's first **DevOps, SRE, Platform Engineering, Info-Sec, AiOps Teams and system end-to-end**.
- **Owned end-to-end design** and maintenance of secure, production-grade **multi-cloud infrastructure (AWS & GCP)** using **Terraform**, strictly enforcing **SOC2, ISO compliance**, and AWS Well-Architected frameworks.
- Architected and managed a secure, multi-cloud container fleet (**AWS EKS, GCP GKE, ECS, EC2, Fargate**) via Facets Cloud.
- **Optimise Cloud Cost (FinOps)** leveraging hands-on DevOps expertise and direct feedback from 100+ customers to iterate the product roadmap, enabling **\$10+ Million in annual cloud savings**.
- **Implemented orga-wide AI adoption** (Cursor, Claude, Context Engine) and deployed **customMCP servers** for cost optimization, GCP Monitoring, and Grafana, enabling **LLM-assisted infrastructure troubleshooting**.
- **Designed and deployed** the organization's first **observability stack (Prometheus, Grafana, Loki, Promtail)** via **Helm on EKS and GKE** from zero, establishing real-time visibility across all microservices.
- Designed AI-driven automation workflows leveraging **Generative AI** to generate Terraform modules, Kubernetes manifests, and CI/CD templates, significantly reducing manual deployment efforts.
- Introduced DevSecOps practices via tools like **Trivy, Tailsman, Scrut.io** to enforce strict **SOC2 and ISO compliance** frameworks, AWS Well-Architected Framework .
- Configured **Azure OpenAI Studio** for enterprise AIOps and implemented advanced Kubernetes topologies utilizing the **Sidecar Pattern** (logging) and **Ambassador Pattern** (PgBouncer proxy) across EKS and GKE.
- Engineered automation pipelines for database storage optimization and data cleanup, and authored **reusable Terraform modules** encompassing AWS EKS, ECS, Route 53, and complex networking.
- Engineered first organization-wide **CI/CD governance** via reusable **GitHub Actions** and established a rigorous **GitOps discipline** for observability configurations with automated pre-commit secret scanning.
- Established a learning-first technical culture by implementing **Architecture Decision Records (ADRs)** and living runbooks, while **mentoring junior engineers** and guiding DevOps architecture across teams.

Infrastructure Engineer

HeyJobs GmbH — Berlin, Germany

Jan 2023 – Oct 2023

- Enhanced and refactored cloud infrastructure using **Terraform and CloudFormation**, improving infrastructure consistency and deployment reliability.
- Strengthened security and compliance posture by supporting **SOC2 and ISO controls** across cloud environments via Vanta Tool.

- Improved **SRE observability** and monitoring frameworks, enabling better system visibility and faster incident detection.
- Contributed to **FinOps initiatives**, optimizing cloud resource utilization and improving cost visibility for engineering teams.
- Designed and implemented automation workflows and **CI/CD improvements**, reducing manual operational overhead.

Sr. AWS DevOps Engineer

Leadsquared.com (UNICORN) — Bangalore, India

Oct 2020 – Jan 2023

- Played a key role in **scaling the DevOps organization from 3 to 50 engineers**, contributing as a talent bar raiser and technical lead of 12 member team during rapid expansion.
- Designed and implemented **serverless automation systems** on AWS to streamline cloud operations and reduce manual infrastructure tasks.
- Provisioned and expanded **multi-region AWS infrastructure** using Infrastructure as Code, enabling global product expansion via Cloud Formation Template and Terraform.
- Collaborated with SRE teams to design and implement monitoring and observability systems, improving visibility across production services.
- Built **internal security automation tools** in collaboration with the security team to identify vulnerabilities and improve cloud security posture.

Full Stack Developer

Inube Solutions — Bangalore, India

Dec 2018 – Oct 2020

- Led the migration from **monolithic architecture to microservices** using .NET Core, ReactJS, and AWS services, improving application scalability and deployment flexibility.
- Set up the company's **first's AWS cloud infrastructure from scratch**, provisioning environments for production, staging, and development.
- Designed and implemented **CI/CD pipelines** using AWS native services, enabling automated application builds and deployments.
- Automated infrastructure provisioning using **Infrastructure as Code**, reducing manual server configuration.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, EKS, ECS, Lambda, S3, Fargate, Route 53, ALB, SQS, Cloudwatch, DynamoDB, VPC, SSO, Cognito), GCP (GKE, Cloud SQL, Cloud Monitoring, IAP)
- **Infrastructure as Code:** Terraform, CloudFormation, Terragrunt
- **Containerization & Orchestration:** Kubernetes (EKS, GKE, internal mechanics, orchestration, Sidecar/Ambassador Patterns), Docker
- **CI/CD & DevOps Automation:** GitHub Actions, CircleCI, AWS CodeBuild, CodePipeline, CodeDeploy, Atlantis
- **AI & Data Ecosystem:** LLMs, MCP Servers, Dagster, Apache NiFi, AWS Batch, Memgraph, Apache Superset, Streamlit, Azure OpenAI Studio
- **Monitoring & Observability:** Grafana, Prometheus, ELK(via Kinesis, Logstash, Elastisearch), CloudWatch, OpenSearch, Sumologic, Loggly, Loki, Promtail, Alert Manager, FluentBit.
- **Security & Compliance:** AWS IAM, GCP Workload Identity, SOC2, ISO, AWS Well-Architected Framework, GuardDuty, Security Hub, tfsec, Vanta, Scrut.io, Tailsman
- **Databases & Storage:** PostgreSQL (RDS), Cloud SQL, S3, ElastiCache (Redis), ClickHouse (Self Hosted on EKS/GKE via K8s Operator Pattern).

EDUCATION

Bachelor of Engineering — Computer Science & Engineering

B.I.E.T, Davangere — VTU — Karnataka

Jul 2019

CERTIFICATIONS

- AWS Community Builder
- AWS Machine Learning Engineer (Udacity)
- Design Event Driven Architecture (AWS)
- Architecting Serverless Applications (AWS)
- Python Gold Badge (HackerRank)
- Sumologic Certified
- Certified Network Security Specialist (ICSI)