

BHAVUK

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Lead DevOps Engineer with 7+ years of experience in designing scalable cloud infrastructures, optimizing costs, and establishing DevOps cultures for **Product-Based-Startups** and industries like Insurance, CRM, Recruitment, and Cloud Governance. Proven expertise in scaling solutions from "**0 to 1**" while ensuring cost efficiency and high performance. Skilled in Terraform, CI/CD pipelines, and compliance frameworks like SOC-2, ISO and AWS WAF. Known for fostering DevOps best practices, mentoring teams, and driving innovation in cloud technologies.

Professional Experience

OCT 2023 – PRESENT

Lead DevOps Engineer | Founding DevOps Member | Astuto.ai | Bangalore, India

Excited to be a Founding DevOps Member at Astuto.ai. We are building a next-generation, actionable cloud cost optimization platform.

My responsibilities include:

- Engineered and implemented the company's **DevOps and FinOps strategy** to align with business objectives.
- Designed and maintained SOC-2, ISO compliance and AWS Well Architecture Frameworks to establish trust and meet security standards.
- Developed security best practices, including **access controls, encryption, and vulnerability scanning** to safeguard data and systems.
- Automated workflows using **Event-Driven Architectures** and AWS SDKs, enhancing operational efficiency.
- Mentored cross-functional teams and provided technical consulting to product and consulting teams.
- Collaborated with Product, Engineering, and Sales teams to deliver **customer-centric solutions**.
- Architected and managed cloud infrastructure for multiple clients, including EKS, ECS, and EC2 across production and staging environments.

JAN 2023 – OCT 2023

Infrastructure Engineer | HeyJobs GmbH | Berlin, Germany

In this role, I was responsible for:

- Enhanced existing infrastructure using **Terraform** and **CloudFormation Templates**.
- Conducted R&D on emerging DevOps tools and technologies to improve workflows.
- Strengthened cloud security and compliance with SOC-2 and ISO certifications.
- Improved **SRE (monitoring)** and **FinOps (cloud billing)** processes, leading to optimized resource usage.
- Designed and implemented automation tools, CI/CD pipelines, and advanced monitoring solutions.

OCT 2020 – JAN 2023

Sr. AWS DevOps Engineer | UNICORN | Leadsquared.com | Bangalore, India

Along with General DevOps Practices, other major responsibilities included:-

- Played a key role in scaling the organization to Unicorn status by solving critical DevOps challenges.
- Designed multiple Serverless Systems to handle Cloud Operations.

- Setting up New Regions on AWS Cloud for Business expansion using IAC
- Played a critical role in scaling the DevOps team from 3 to 50 members as a **Talent Bar Raiser**.
- Research and explore the latest trends in AWS Cloud & DevOps and implement them
- Designing the Monitoring Tools by closely working with the SRE Team.
- Developing the Security Tools/Utilities by closely working with the Security Team.

DEC 2018 – OCT 2020

Full Stack Developer | Inube Solutions | Bangalore, India

In this role, I was responsible for:

- Breaking up of Monolithic Architecture and Implementing Micro Service Architecture on AWS [Dotnet Core 3.1, React JS, RDS]. Setting up AWS for the company from Scratch till the go-live.
- Managing all the Servers for Prod, UAT, Test, Dev.
- Design and Implement CI/CD Pipelines on AWS Cloud using its native services.
- Code Release Engineer for AWS Environment.
- Automating the Infra Setup on AWS using Infrastructure as a Code [IAC]
- Other general DevOps practices – Automation, Monitoring

Tech Stack/Skills

- **Source Code Management** - GitHub, Bitbucket, AWS Code Commit, Unfuddle
- **CI/CD Tools:** GitHub Action, CircleCI, AWS Code Commit, AWS Code Build, AWS Code Pipeline, AWS Code Deploy, Atlantis (for Terraform), Facets.cloud
- **Deployment** – onto EKS, GKE, ECS, Lambda, S3, Fargate, EC2
- **Testing:** Postman, J-Meter, Apidog
- **Monitoring, Logging & Observability:** AWS OpenSearch, Sumologic, Datadog, Grafana, CloudWatch, Loggly, CloudTrail
- **Alerting** - , AWS SNS, PagerDuty, MS Teams Webhooks
- **Security:** AWS Organizations, AWS Service Control Policy, Guard Duty, Security Hub, Inspector, SSO, IAM, Amazon Certificate Manager, Tfsec, Talisman, Vanta, Scrut.io
- **Compliance** - ISO, SOC-2, AWS Well Architecture Framework
- **Infrastructure as a Code** - Terraform and Cloud Formation Template
- **Storage & Database:** S3, DynamoDB, AWS OpenSearch, RDS Aurora [MySQL], Postgres, Elastic Cache, Self Hosted Clickhouse DB on EKS (EC2)
- **Networking & CDN:** VPC, CloudFront, Route 53, Application Load Balancer, NLB, Cloudflare
- **Collaboration and Planning** - Jira, Confluence, Miro Board, Slack, MS Teams
- **ML & Data Engineering and other's-** Dagster, Memgraph DB, Memgraph Lab, SearXNG, Azure OpenAI Studio, Streamlit, Cursor, AWS Batch Jobs, Apache Nifi, Steampipe, Apache Superset, Appsmith, Powerpipe

Education

JUL 2019

Bachelor of Engineering | Computer Science & Engineering | B.I.E.T, Davangere | VTU | Karnataka

7.05 SGPA • First Class Division

Projects

- Setting up infra on AWS from Scratch (Day 0).
- Writing Terraform Code and Modules related to EKS and other AWS Services from scratch.
- AWS to GCP Database Migration – AWS RDS SQL to GCP Cloud SQL
- AWS to GCP Microservices Migration – AWS EKS to GCP GKE using tool Facets.cloud.
- Designed & Developed - Launching of Scheduled Based RDS Aurora Replica to save the cost of running replica24/7. *[Python, DynamoDB, CloudWatch, SNS, RDS, Grafana, Sumologic, CFT, Event Bridge, Lambda]*
- Automated the process of AWS Aurora and MySQL Slow Query Logs pushed to Sumologic using Lambda *[Python, DynamoDB, CloudWatch, SNS, RDS, Grafana, Sumologic, Cloud Formation Template]*.
- Designed & implemented the system for AWS Elastic cache - Redis Slow Logs pushed to Sumologic *[Python, Amazon ElastiCache, SNS, VPC Lambda, Grafana, Sumologic, Cloud Formation Template]*.
- Designed & implemented the system based on Custom Metric Solution in CloudWatch for finding the aggregated CPU Utilization of all the EC2's behind all 3 Types of Load Balancers [Application, Classic and Network] for Spot.io Instances. *[Python, ALB, CLB, NLB, SNS, CloudWatch Custom Metrics, Grafana, Cloud Formation Template]*
- Designed & Implemented the system for Amazon Elasticsearch Service (ESS) Slow Logs pushed to Sumologic. *[Python, Amazon Elasticsearch Service, SNS, CloudWatch, Grafana, Sumologic, Cloud Formation Template]*
- Designed & Developed - Internal Security Tool to generate reports for Vulnerable Security Group List from Multiple Accounts. *[Python, AWS Security Groups, IAM, SNS, S3, AWS Organisations, EC2]*
- Designed & Developed - Internal Security Tool to generate reports for all the Record Sets for a particular Hosted Zone ID in Route 53 *[Python, Route 53, EC2, S3]*.
- Designed & Developed - Internal Tool to generate the List of Redis Keys based on defined patterns by using batches in Python. *[Python, Amazon ElastiCache- Redis, EC2]*

Certificate

- AWS Community Builder [AWS] • Python Gold Badge [Hacker Rank] • Certified Network Security Specialist [ICSI]
- Sumologic Certified [Sumologic] • Design Event Driven Architecture [AWS] • Lambda Foundation [AWS]
- Architecting Serverless Applications [AWS] • AWS Machine Learning Engineer [UDACITY] • Linux [Cisco] • Big Data on AWS [Udemy]

Extra-Curricular Activities

- First Prize in Short Moving Making
- Presented Paper on “Prediction of Earthquake” – selected as Best Idea of 2018 by TCS
- Two Times participation in Smart India Hackathon
- “Best Student” Awardee by College for Batch 2015-19
- “Mr. Perfect Student 10/10” – Title awarded by CS&E Dept.
- Won many competitions in multiple categories during inter college and university in Fashion Shows, Photography contest and others.

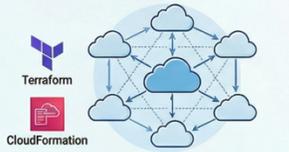
Bhavuk: Lead DevOps Engineer - Scaling Cloud Infrastructure

Scaling Solutions from "0 to 1" for Startups | 7+ Years of Experience

Career Journey



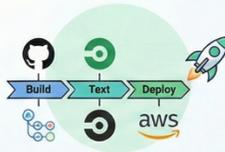
Core Competencies & Skills



Cloud & Infrastructure as Code (IaC)
Expertise in Terraform, CloudFormation, EKS, ECS, and multi-region AWS architecture.



Security & Compliance
Proven experience implementing SOC-2, ISO, and AWS Well-Architected Frameworks.



Automation & CI/CD
Proficient in building pipelines with GitHub Actions, CircleCI, and native AWS tools.



Monitoring, SRE & FinOps
Skilled in Datadog, Grafana, Sumologic, and CloudWatch for observability and cost optimization.