

Dev Sahu

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DevOps Engineer skilled in microservices and scalable cloud solutions. Proficient in Python, C++, Terraform, Docker, and Jenkins, with expertise in configuring, troubleshooting, and managing AWS and Azure for automated deployments and reliable CI/CD

Education

KIET Group of Institution

Ghaziabad ,India

Bachelor of Technology(B. Tech) in Computer Science & Engineering

July 2019 - May 2023

Relevant Courses : Engineering Mathematics -1,2 , Data Structures & Algorithms, Computer Networks , Relational Database Management System(RDBMS ,SQL) , Object Oriented Programming (OOP)

Skills

Programming Languages : Python , C++ , Terraform, MySQL

Frameworks & Tools : FastAPI,, Docker ,Jenkins , Kubernetes, Github ,Microservices.

Cloud: **AWS** (EC2, VPC, Lambda, S3, EKS, ECR, ECS, RDS, DynamoDB, SNS etc) , **Azure** (AKS, Azure Functions, Azure Blob Storage, Azure Key Vault, Azure Virtual Network, Azure DevOps).

Databases: PostgreSQL, MongoDB, DynamoDB, SQLite

Languages : English , Hindi

IDE: Visual Studio, Pycharm

Work Experience

ConsultAdd Inc

Pune,India

DevOps - Engineer L1

Jan 2023- Present

- Created automated solutions through **BASH** and **Python** scripting that enhanced workflow efficiency reduced manual task completion time by an average of 30 minutes per day for each engineer on the team.
- Implemented a modular IaC system using **Terraform,SAM,Ansible** facilitating rapid scaling of cloud resources to support demand spikes; Tool is now deployed across 10+ projects, improving overall project delivery timelines by **30%**.
- Revamped end-to-end **AWS architecture solutions and Design**, ensuring scalable and cost-effective infrastructure optimising costs by **25%** through efficient resource management and implementing auto-scaling groups.
- Experience with **CloudWatch** for logging etc to achieve our goal of **100%** uptime.
- Developed and managed automated **CI/CD pipelines** using **Jenkins, GitOps** workflows reducing deployment time by **40%** and increasing deployment frequency.
- Developing and sustaining metric monitoring dashboards and Alerting using **Grafana and Prometheus** which helped us to achieve our goal of **100% uptime**.

Coding Ninjas

Delhi,India

Teaching Assistant

April 2022 - July 2022

- Resolved over **900+** student coding challenges in **C++**, reducing the average debugging time from 2 hours to 30 minutes by applying clear, step-by-step problem-solving methods.
- Led workshops on Data Structures and Algorithms,strengthening core programming concepts and improving student assessment scores by 30%.

Projects

- **Post Call Analysis : (Python,Lambda, API Gateway, DynamoDB, Bedrock, Transcribe, SNS, CloudWatch, StepFunctions, SAM, Terraform, Jenkins, Docker)**
 - ❖ Developed a **microservices-based** Post-call analysis system using AWS (Lambda, API Gateway, DynamoDB), streamlining workflows to save **200 manual hours** and reduce costs by **\$5,000** annually.
 - ❖ Created serverless architecture with **Terraform** for efficient infrastructure management.
 - ❖ Used **Docker** for consistent environments in local development, testing, and streamlined CI/CD deployment with **Jenkins and AgroCD**.
- **Luna, Chatbot : (AWS, Lambda, Amazon RDS, Python, JWT, VPC, LangChain,EKS,ECR)**
 - ❖ Designed a AWS infrastructure for a chatbot using **Terraform** , ensuring 99.9% uptime with effective monitoring
 - ❖ Secured **microservices** with **JWT-based API verification** via a Lambda authorizer, enforcing strict access policies
 - ❖ Prepared a **vector database** with Amazon RDS in a custom VPC, using multi-AZ subnets for high availability, cutting downtime by 50%
 - ❖ Deployed a robust three-tier architecture on **EKS**, ensuring scalability, high availability, and efficient resource management.

Certifications

- **AWS Certified Solution Architect (2023)**
- **Earned all 8 badges and 12 Skill Badges of Google Qwiklabs - Google Clouds (2022)**