NAVEEN UMESH BADIGER

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PROFESSIONAL SUMMARY

Results-driven Associate Engineer with 3.7+ years of experience specializing in cloud computing, DevOps practices, infrastructure automation, and API development. Expert in deploying secure and scalable cloud solutions on AWS using Infrastructure as Code (Terraform, Ansible), CI/CD tools (Jenkins, AWS CodePipeline), and containers (Docker, Kubernetes). Demonstrated ability to design robust monitoring, logging, and security frameworks using AWS-native tools and ELK Stack. Passionate about open-source, automation, and delivering high-availability cloud-native solutions.

PROFESSIONAL EXPERIENCE

ZKTeco Biometrics Pvt Ltd – Bangalore, India

Associate Engineer | *October 2021 – Present*

- **Designed and maintained secure cloud architectures leveraging AWS EC2, S3, RDS, Lambda, and IAM.**
- **Automated infrastructure provisioning using Terraform and integrated with Jenkins pipelines.**
- **Implemented CI/CD pipelines, reducing deployment errors by 40% and improving release frequency.**
- **Led migration of legacy systems to AWS RDS with zero downtime and 100% data integrity.**
- **Developed and integrated REST APIs using AWS API Gateway and Lambda for biometric data processing.**
- **Enhanced infrastructure security with fine-grained IAM policies, CloudWatch alarms, GuardDuty, and AWS Config.**

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, Lambda, RDS, API Gateway, IAM, CloudFront, Cognito, SNS, DynamoDB)
Infrastructure as Code: Terraform, Ansible
DevOps & CI/CD: Jenkins, AWS CodePipeline, CodeBuild, ECS, Docker, Kubernetes
Monitoring & Logging: CloudWatch, ELK Stack, AWS Inspector, Security Hub
Scripting & Automation: Python, Bash, Shell scripting
Security Tools: AWS Config, IAM, GuardDuty, KMS
Databases: MySQL, PostgreSQL, SQL Server

PROJECTS

Infrastructure as Code (IaC) with Terraform – AWS

- **Designed a production-ready 3-tier architecture using Terraform modules (VPC, ALB, EC2, RDS).**
- **Integrated Jenkins CI/CD pipeline for automated infrastructure provisioning and teardown.**
- **Configured S3 with DynamoDB for remote state management and locking.**
- **Reduced infrastructure setup time by 90% using reusable code and environment-based workspaces.**
  Tools & Tech: Terraform, Jenkins, AWS VPC, ALB, EC2, RDS, IAM, S3, DynamoDB

Serverless Web App on AWS
- **Developed an e-commerce backend using AWS Lambda, API Gateway, DynamoDB, and SNS.**
- **Integrated Cognito for authentication and hosted the frontend on S3 + CloudFront.**
  Tools & Tech: Lambda, API Gateway, DynamoDB, Cognito, S3, SNS, CloudFront, IAM

CI/CD Pipeline on AWS
- **Created a fully automated pipeline using AWS CodePipeline, CodeBuild, and deployed to ECS.**
- **Enabled continuous delivery with automated builds, tests, and deployment phases.**
- **Integrated security scans via AWS Inspector and logging through CloudWatch.**
  Tools & Tech: CodePipeline, CodeBuild, ECS, CloudWatch, AWS Inspector

AWS Auto-Scaling and Load Balancing
- **Architected and deployed a multi-tier application using EC2 Auto Scaling Groups and Application Load Balancer.**
- **Configured CloudWatch alarms and health checks to maintain uptime and auto-healing.**
  Tools & Tech: EC2, Auto Scaling, ALB, CloudWatch, Launch Templates

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EDUCATION
Bachelor of Engineering (B.E.) in Electronics & Communication Engineering
KLS Vishwanath Rao Deshpande Institute of Technology, Karnataka
2018 – 2021 | **CGPA: 8.37/10**

CERTIFICATIONS:

- **DevOps on AWS Specialization Issued by AWS (via Coursera): Expertise in CI/CD Pipelines and AWS DevOps tools.**
- **AWS Cloud Technical Essentials Issued by AWS (via Coursera): Deep Understanding of AWS services.**
- **DevOps on AWS: Code, Build and Test Issued by AWS (via Coursera): Expertise in AWS CI/CD tools and testing frameworks.**
- **DevOps on AWS: Release and Deploy Issued by AWS (via Coursera): Advanced knowledge in AWS deployment strategies and automations.**
- **DevOps on AWS: Operate and Monitor Issued by AWS (via Coursera): Proficient in monitoring and operational excellence with AWS tools.**

COURSE:

- **Introduction of Network and Network security (Udemy)**
- **AWS Fundamentals (Coursera)**
- **DevOps on AWS Specialization (Coursera)**
- **Bash Scripting & Shell Programming (Udemy): Advanced scripting for automation tasks.**
- **Linux Training with Troubleshooting (Coursera): Mastered Linux administration.**
- **Advanced Testing Practices Using AWS DevOps Tools (Coursera)**