KUNAL KADAV

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Cloud Engineer — AWS Certified — 1.6 Years Experience

PROFESSIONAL SUMMARY

Cloud Engineer with 1.6 years supporting AWS infrastructure at Tata Consultancy Services. Expertise in AWS (EC2, S3, RDS, VPC, Lambda), Python/Shell automation, and CI/CD pipelines. Developed GenAI solutions using AWS Bedrock that reduced manual work by 25%. 4 AWS certifications.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, IAM, RDS, VPC, CloudWatch, Lambda, ELB, CloudFormation, Route 53, SNS)
- **DevOps & CI/CD:** Jenkins, AWS CodePipeline, Git, Docker, Infrastructure as Code, Automation
- **Programming:** Java, Python, SQL, Shell Scripting, JavaScript
- **Frameworks:** Spring Boot, REST APIs, Microservices Architecture
- **Databases:** MySQL, PostgreSQL, Query Optimization, Performance Tuning
- **GenAI:** AWS Bedrock (Claude, Titan), Prompt Engineering, AI Automation
- **Monitoring:** CloudWatch Alarms, Log Analysis, Performance Monitoring
- **Tools:** Linux (RHEL, Ubuntu), JIRA, Confluence, VS Code, Git, Agile/Scrum

PROFESSIONAL EXPERIENCE

Assistant System Engineer – Cloud & Backend Support　　　　　　　　*May 2024 – Present*
Tata Consultancy Services (TCS)　　　　　　　　　　　　　　　　　　Pune, India

- Support and monitor AWS infrastructure (30+ EC2 instances, 15+ RDS databases) including S3, VPC, and Lambda across development and production environments
- Administer Linux servers (RHEL/Ubuntu); configure security groups, IAM roles, and policies following AWS security best practices
- Automated 10+ recurring operational tasks using Python and Shell scripts, reducing manual effort by 5–8 hours weekly
- Troubleshoot and resolve 40+ production issues monthly related to Java Spring Boot services, SQL queries, and REST APIs with average resolution time of 2 hours
- Build and maintain CI/CD pipelines using Jenkins and AWS CodePipeline for automated deployments
- Set up CloudWatch alarms and SNS notifications for proactive monitoring of critical services and infrastructure
- Developed GenAI proof-of-concept using AWS Bedrock (Claude) to automate validation workflows, reducing manual review time by 25%
- Collaborate with Agile teams in sprint planning and daily standups to deliver infrastructure improvements and provide L2/L3 production support
- **Won TCS AI Challenge** for practical GenAI automation solution saving 8–10 hours per week

KEY PROJECTS

GenAI Validation Automation – TCS AI Challenge Winner

- Built automated validation workflow using AWS Bedrock (Claude), Lambda, and Python, reducing manual review time by 25%
- Integrated S3 for data storage and implemented prompt engineering techniques to improve accuracy
- Designed serverless architecture handling 100+ validation requests daily with 95%+ accuracy rate

CI/CD Pipeline Automation for Spring Boot Applications

- Configured Jenkins pipeline automating build, test, and deployment processes for Java applications
- Reduced deployment time from 2-hour manual process to 15-minute automated workflow
- Integrated JUnit testing and AWS CodePipeline for seamless EC2 deployments with zero-downtime releases

EDUCATION

Bachelor of Engineering in Computer Technology　　　　　　　　　　*Aug 2019 – Jun 2023*
Kavikulguru Institute of Technology and Science, Ramtek

CERTIFICATIONS & AWARDS

Certifications: AWS Solutions Architect – Associate | AWS Developer – Associate | AWS Cloud Practitioner | AWS AI Practitioner | GCP GenAI Leader

Awards: TCS AI Ignite | TCS AI Spark | TCS Innovation | TCS Performance Excellence | TCS Team Award