KURALARASAN S

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Professional summary

AWS Cloud & DevOps Engineer with hands-on experience in cloud deployment, automation, and CI/CD workflows. Skilled in building and managing scalable AWS infrastructures using modern DevOps practices. AWS Certified Cloud Practitioner, eager to contribute to innovative and cloud-driven environments.

Skills

Cloud & DevOps: AWS (EC2, S3, IAM, VPC, RDS, ALB, Route 53, Amplify), Docker, Terraform
Networking: LAN/WAN, IP configuration, routing, troubleshooting
Languages: Python, MySQL, HTML, CSS
Operating Systems: Linux (Ubuntu, Amazon Linux), Windows
Tools: Git, GitHub, VS Code, CLI, SSH, PuTTY, WinSCP

Certificates

AWS Certified Cloud Practitioner (CLF-C02)
AWS re/Start Graduate - TNSDC & Cultus Education
SQL Mastery with MySQL - LearnZ Development Hub

Internship & Training Experience

Vcodez - Data Science Intern

- Automated data preprocessing workflows using Python.
- Performed EDA and developed basic predictive models for employee attrition.
- Utilized SQL for dataset filtering, aggregation, and transformation.
- Collaborated using Git and Linux CLI for versioning and task execution.

AWS re/Start Graduate - TNSDC

- Hands-on labs with EC2, S3, IAM, VPC, and networking fundamentals.
- Troubleshot Linux-based cloud systems and performed system diagnostics.
- Followed AWS documentation and lab workflows for cloud deployments.

Projects

AWS Amplify Cloud Portfolio Deployment — CI/CD & Global Hosting

- Deployed a responsive portfolio using AWS Amplify with fully automated CI/CD from GitHub.
- Integrated custom domain via Amazon Route 53 and enabled HTTPS using AWS Certificate Manager.
- Utilized Amazon CloudFront CDN for fast global delivery with 450+ edge locations.
- Hosted static assets on Amazon S3 for scalable, low-cost, serverless infrastructure.
- Implemented CloudWatch monitoring and applied security best practices using AWS WAF and SSL/TLS.

Scalable Exam Result Web Application — AWS (3-Tier Architecture)

- Designed a 3-tier application with NGINX (web), Flask (app), and RDS MySQL (database).
- Built a custom VPC with public/private subnets, NAT Gateway, and security groups.
- Configured ALB with HTTPS (ACM) and Route 53 for domain management.
- Optimized network routing and database access to reduce latency.

Education

B.E. Agricultural Engineering — SRM Valliammai Engineering College - (2021 – 2025)
CGPA: 7.16