JUDSON K

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PROFESSIONAL SUMMARY

AWS Certified Cloud & DevOps Engineer with hands-on experience in designing, automating, and deploying production-grade cloud infrastructure. Strong expertise in Docker, Terraform, and GitHub Actions with real-world deployments on AWS including EC2, RDS, ECR, and VPC. Proven ability to build CI/CD pipelines, automate infrastructure, and deploy scalable applications with minimal manual intervention.

TECHNICAL SKILLS

Cloud: AWS (EC2, S3, IAM, VPC, RDS, ECR, CloudWatch, SNS)
DevOps & IaC: Docker, Terraform, GitHub Actions, AWS CLI
CI/CD: GitHub Actions (end-to-end pipelines), AWS CodeBuild (basic),CodeDeploy (blue-green deployment concepts)
Scripting: Bash, Python
Databases: PostgreSQL, AWS RDS, Firestore
Development: Flutter, Dart, Firebase, HTML, CSS
Monitoring: CloudWatch, Prometheus, Grafana
Version Control: Git, GitHub

CERTIFICATIONS

AWS Certified Cloud Practitioner – November 2025
AWS re/Start Graduate Badge – 2025
AWS Cloud Quest: Practitioner Badge – 2025

INTERNSHIP

DevOps Intern – PearlThoughts (completed)   **Dec - 2025 to Jan - 2026**
- Gained hands-on experience with AWS infrastructure, CI/CD pipelines, and automation.
- Worked on Dockerized applications and Terraform-managed cloud resources.

PROJECTS

Strapi CMS Deployment with CI/CD (AWS, Docker, Terraform)
- Containerized Strapi CMS using Docker and optimized image builds.
- Built CI pipeline using GitHub Actions to automatically build and push images to AWS ECR.
- Provisioned AWS infrastructure (EC2, Security Groups, IAM roles) using Terraform.
- Automated EC2 bootstrapping with user-data scripts to pull and run Strapi containers.
- Integrated PostgreSQL via AWS RDS for production-ready persistence.
- Deployed a production-ready Strapi CMS on AWS EC2 with RDS PostgreSQL, achieving automated builds and zero manual deployment steps using CI/CD.

CI/CD Automation with GitHub Actions & Terraform
- Designed multi-stage CI/CD pipelines for build, test, and deployment.
- Implemented dynamic Docker image tagging using Git commit SHA.
- Managed secrets securely using GitHub Secrets.
- Enabled repeatable, zero-manual AWS deployments.

Cloud Infrastructure & Security (AWS)
- Designed secure VPC architecture with public subnets and routing.
- Implemented IAM roles and least-privilege policies.
- Configured CloudWatch logging and monitoring.

Static Website Hosting & Automation (AWS S3)
- Hosted static website using S3 with versioning and access controls.
- Automated deployments using AWS CLI and Bash scripts.
- Applied cost-optimization best practices.

Food Delivery Mobile Application (Flutter + Firebase)
- Built a cross-platform mobile app with Firebase authentication.
- Integrated Firestore database and cloud storage.
- Managed source control using Git and GitHub.

EDUCATION

Kongu Arts and Science College, Erode   **(2022–2025)**

B.Sc Computer Technology – CGPA: 7.2
Relevant Coursework: Cloud Computing, Computer Networks, DBMS

Shree Swami Vivekanandha Hr. Sec. School, Perundurai   **(2021–2022)**

HSC – Commerce with Computer Application
Percentage: 63%