

Gerard Eklu

Cloud & DevOps Engineer

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

AWS Certified Solutions Architect – Associate (SAA-C03) — Issued Feb 2026 | [Verify Credential](#)

Summary

Cloud & DevOps Engineer with 5+ years of software engineering experience at The Home Depot building enterprise-scale applications on Google Cloud Platform (GCP). Experienced in automating CI/CD pipelines, managing cloud infrastructure with Terraform, and deploying containerized applications using Docker and Kubernetes (GKE).

Recently expanded cloud expertise to AWS, earning the AWS Certified Solutions Architect – Associate certification and building hands-on infrastructure and CI/CD projects on the platform.

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, IAM, VPC, ALB, CloudWatch), GCP (Compute Engine, GKE, Cloud Storage, Cloud Scheduler)
- **Infrastructure as Code:** Terraform
- **CI/CD:** GitHub Actions, Jenkins, TeamCity
- **Containers:** Docker, ECS
- **Observability:** Prometheus, Grafana, CloudWatch
- **Security:** IAM, HashiCorp Vault, Trivy, Secrets Management
- **Languages:** JavaScript, TypeScript, Python, Bash
- **Frameworks:** React, Node.js, Express, [Next.js](#)
- **Databases:** PostgreSQL, MongoDB
- **Operating Systems:** Mac, Linux
- **Tools:** Git, Confluence, Jira

Experience

ExM Technologies | Software Engineer

2025 – Present

- Collaborated on cloud deployment and hosting via AWS Amplify, supporting CI/CD integration, environment configuration, and production release management across multiple environments
- Built and maintained GitHub Actions pipelines for automated testing, Docker image builds, and deployment to AWS
- Reduced CI build times across a 9+ application monorepo by implementing caching strategies and path-based change detection
- Containerized applications with Docker and standardized local/staging/production environments using Docker Compose
- Delivered production frontend components with Next.js, TypeScript, and Tailwind CSS with API integrations

The Home Depot | Software Engineer

2019 - 2025

- Deployed and managed scalable infrastructure on GCP using Terraform, Spinnaker, and Google Kubernetes Engine (GKE) for enterprise-grade application delivery
- Automated CI/CD pipelines with GitHub Actions, TeamCity, and Spinnaker enabling consistent, repeatable builds and deployments across multiple engineering teams
- Managed secrets and credentials using HashiCorp Vault; configured automated task scheduling with GCP Cloud Scheduler
- Implemented automated build and deployment processes that streamlined release management and reduced manual deployment effort
- Upgraded legacy Angular applications (v5/6 → v14), improving performance, security posture, and maintainability
- Built and maintained React and Node.js applications serving enterprise internal tools with Material UI and Vite
- Delivered unit-tested, production-ready systems within sprint timelines across Agile/Scrum workflows
- Created and maintained deployment documentation in Confluence, enabling faster onboarding and reduced operational knowledge gaps

Education:

Central Texas College, Information Technology

Languages:

English, French, Spanish