Gerard Eklu

CLOUD ENGINEER | DEVOPS ENGINEER

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GitHub:github.com/gerardinhoo | Portfolio: gerardeklu.dev

Summary

Cloud & DevOps Engineer with 5+ years of software engineering experience and a strong focus on CI/CD automation, cloud infrastructure, and reliability engineering. Proven background deploying and operating production systems on AWS and GCP using Terraform, Docker, Kubernetes, and GitHub Actions. Known for bridging development and operations teams to deliver **scalable, observable, and resilient systems**.

Skills

• **Cloud Platforms**: AWS (EC2, S3, IAM, ALB, ASG, RDS, Lambda and more), GCP (Compute Engine, GKE, VPC, Cloud Storage)
• **Infrastructure as Code (IaC)**: Terraform, CloudFormation
• **Configuration Management**: Ansible
• **CI/CD & Automation**: GitHub Actions, Jenkins, TeamCity
• **Containerization & Orchestration**: Docker, Kubernetes
• **Programming Languages**: Javascript, Python
• **Monitoring & Observability**: Prometheus, Grafana, CloudWatch
• **Security & DevSecOps**: IAM, HashiCorp Vault, Trivy, Secret Management
• **Scripting & Automation**: Bash, Shell scripting, YAML, JSON
• **Version Control**: Git, GitHub
• **Operating Systems**: Linux (Ubuntu), macOS
• **Databases**: PostgreSQL, MongoDB
• **Methodology & Tools**: Agile (Scrum, Kanban), Jira, Confluence

Qualifications

• Strong hands-on experience designing and deploying cloud infrastructure using AWS and GCP
• Proven ability to automate infrastructure and deployments using Terraform and CI/CD pipelines
• Experience supporting containerized workloads with Docker and Kubernetes
• Software engineering background enabling strong collaboration with development teams
• Actively preparing for AWS Certified Solutions Architect – Associate (SAA-C03)

Experience

ExM Technologies | Cloud & DevOps Engineer   **2025 – Present**

Cloud & Application Delivery:
   • Developed and maintained frontend features using Next.js, React, and TypeScript
   • Contributed to backend functionality using Node.js and API integrations
   • Deployed and hosted client-facing applications on AWS, supporting environment configuration and release workflows
   • Collaborated closely with product and engineering stakeholders to deliver production-ready features

Cloud Infrastructure & DevOps:
   • Designed and provisioned cloud infrastructure using Terraform across AWS and GCP, including VPCs, subnets, firewall rules, and compute resources
   • Built CI/CD pipelines using GitHub Actions and Jenkins to automate build, test, containerization, and deployment workflows
   • Deployed and operated Dockerized workloads on EC2 and GCP VM instances with monitoring and observability using Prometheus and Grafana
   • Implemented Kubernetes-based deployments and documented end-to-end system architecture and operational workflows

The Home Depot | Software Engineer   **2019 - 2025**
   • Built and maintained CI/CD pipelines using GitHub Actions, TeamCity, and Spinnaker, supporting multiple React and Node.js applications deployed to GCP/GKE
   • Collaborated with DevOps and platform teams to deploy and manage containerized applications in Kubernetes environments
   • Contributed to infrastructure automation efforts using Terraform and Vault for secrets
   • Supported production deployments, monitored application health, and improved deployment reliability across environments
   • Worked closely with cross-functional teams in Agile environments to deliver scalable frontend and backend services

Education & Certifications:

• **Central Texas College, Information Technology / Computer Science**
• **AWS Certified Solutions Architect – Associate (In Progress)**

Languages:

• **English**
• **French**
• **Spanish**

References: References available upon request