





Gerard Eklu


DevOps Engineer | Software Engineer | Cloud Engineer

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 30067 Marietta, GA

DevOps Engineer with 5+ years of experience bridging software engineering and cloud infrastructure to deliver scalable, secure, and resilient systems. Skilled in automating Kubernetes workloads, optimizing event-driven scaling (KEDA, HPA), and integrating GCP services such as Pub/Sub, GKE ingress, and IAM. Experienced with Argo CD, Spinnaker, and GitLab CI/CD for end-to-end automation. Passionate about improving reliability, performance, and cost efficiency through cloud-native solutions and continuous improvement.

Skills

- Terraform
- Google Cloud Platform (GCP)
- Amazon Web Services (AWS)
- Docker
- Kubernetes
- Spinnaker
- GitHub Actions
- Jenkins
- Bash/Shell
- YAML
- Python
- JSON
- Prometheus
- Grafana
- Datadog
- SonarQube
- Trivy
- DevSecOps practices
- MongoDB
- PostgreSQL
- DynamoDB
- Git
- GitHub
- Jira
- Confluence

Work experience

March 2025
Current

Freelance & Independent Projects – DevOps | Cloud | Full Stack Engineering Freelance & Independent Projects – DevOps | Cloud | Full Stack Engineering

Freelance & Independent Projects, Atlanta

- Designed and implemented end-to-end **DevOps pipelines and infrastructure automation** through the public
- **Provisioned scalable infrastructure** on GCP using Terraform (VPC, subnet, firewall, VM provisioning, GCS backend, workspaces), integrated Docker auto-installation via startup scripts, and applied environment isolation across dev and prod workspaces.
- Built **CI/CD pipelines** with GitHub Actions and Jenkins to automate Node.js and Java application builds, Docker image publishing, and SSH-based EC2 deployments, incorporating linting, test automation, and container health checks.
- Implemented **container monitoring** using Prometheus and Grafana for Dockerized applications and began expansion into centralized logging and Ansible automation.
- Developed and deployed **microservice applications** (Node.js, Flask) using Docker Compose for multi-environment orchestration, improving modularity and scalability.
- Delivered **The Comfort Guardians HVAC website**, a production-ready marketing platform built with Next.js, TypeScript, Tailwind CSS, and Framer Motion – integrated Jobber for scheduling, configured a Nodemailer backend, and deployed to Vercel with SEO optimization.
- Collaborated on the **Position Description Management App (ASCO)** frontend using React/Next.js, Tailwind CSS, and AWS Amplify; implemented dynamic editable forms, reusable templates, and API integrations in a client-facing project.
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Agile/Scrum

Node.js

React

TypeScript

JavaScript (ES6+)

Linux (RedHat, Ubuntu,
CentOS)

Tailwind CSS

Vercel

Languages

Spanish (advanced)

French (bilingual)

English (bilingual)

September 2019
March 2025

Documented all project workflows, scripts, and architecture in GitHub and **tracked development using Jira**, Git, and CI/CD workflows to simulate production practices.

Software Engineer

The Home Depot, Atlanta, GA

- Deployed scalable infrastructure using Spinnaker, Terraform, and GCP (GKE)
- Automated CI/CD pipelines using GitHub Actions and TeamCity
- Managed secrets with Vault and tasks via Cloud Scheduler
- Upgraded Angular apps (v5/6 to v14); contributed to React UI with
- Material UI & Vite
- Integrated Medallia for Customers feedback;
- Set up and maintained Android devices used for application testing and deployment, providing support to developers with configuration and setup challenges.
- Documented processes in Confluence and collaborated across teams.
- Consistently met project deadlines by effectively managing time and
- prioritizing tasks according to importance.
- Analyzed proposed technical solutions based on customer
- requirements.
- Developed scalable and maintainable code, ensuring long-term stability
- of the software.
- Developed reusable React components that significantly reduced
- development effort on multiple projects.
- Refactored legacy codebases for improved maintainability, paving the
- way for easier future updates.
- Coordinated with other engineers to evaluate and improve software
- and hardware interfaces.
- Integrated new technologies into existing systems, increasing
- capabilities and improving overall performance.
- Implemented effective debugging strategies, resulting in fewer software
- defects and increased reliability.
- Delivered unit-tested systems within customer-prescribed timeframes.
- Implemented automated build and deployment processes to streamline
- release management procedures.
- Developed comprehensive documentation for software applications
- enabling easier maintenance and user support.
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Participated in agile development processes, including daily stand-ups,

- sprint planning, and retrospectives.
- Collaborated with management, internal and development partners
- regarding software application design status and project progress.

July 2018

September 2019

Software Engineer Apprentice

The Home Depot, Marietta, GA

- Supported React and Node.js development on enterprise applications
- Consistently met project deadlines by effectively managing time and
- prioritizing tasks according to importance.
- Participated in Agile sprints and software best practice initiatives.
- Refactored legacy codebases for improved maintainability paving the
- way for easier future updates.
- Collaborated with fellow engineers to evaluate software and hardware interfaces.
- Tested and deployed scalable and highly available software products.
- Analyzed proposed technical solutions based on customer
- requirements.



Education

DevOps & AWS Cloud Engineering Program
Hands-on program focused on automating cloud infrastructure and CI/CD workflows using Linux, Terraform, Jenkins, Docker, Kubernetes, Prometheus, Grafana, and AWS services.

NewEra Education

Information Technology

Pursued coursework toward Associate Degree.

Central Texas College