

AKUM BLAISE ACHA

DevOps & Platform Engineer

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📍 Buea, CM



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WORK EXPERIENCE

DevOps Platform Engineer

Gozem Cameroon

📅 Feb 2024 - current 📍 Douala, CM

- Led infrastructure automation across multi-cloud environments, ensuring reliability, scalability, and efficiency for one of Africa's largest super-apps serving 5 M+ active users.
- Containerized 25+ microservices by migrating legacy PM2/Ansible stacks into Docker, improving deployment speed by 70% and cutting release failures dramatically.
- Implemented blue-green deployments with automated health checks and rollback policies, enabling zero-downtime releases across production systems.
- Built and maintained multi-cloud CI/CD pipelines using GitLab CI/CD, Ansible, SonarQube, Nexus, and Docker, ensuring consistent, reliable deployments across AWS and internal environments.
- Deployed complete monitoring and alerting stack with Grafana dashboards and Sentry integration, reducing mean-time-to-resolution by 80%.
- Configured auto-scaling policies in AWS CloudWatch to handle sudden traffic spikes (up to 3× normal load) without manual intervention or performance degradation.
- Collaborated with backend and product teams to align infrastructure decisions with business goals, ensuring seamless scaling and high availability during growth phases.
- Championed cost-efficient cloud operations, implementing automation and observability strategies that strengthened platform reliability while maintaining financial efficiency.
- Optimized MongoDB databases and right-sized infrastructure resources, boosting query performance by 50% and lowering operational costs by 40%.

DevOps Engineer

WaziEats PLC

📅 Jan 2023 - Dec 2023 📍 Douala, CM

- Designed and managed containerized application environments on Google Cloud Platform, enabling smooth scaling during peak food-order periods and improving system reliability.

CAREER OBJECTIVE

Impact-focused DevOps & Platform Engineer with over 5 years of hands-on experience designing, automating, and scaling infrastructure across AWS, GCP, and DigitalOcean. I specialize in building reliable CI/CD systems, containerized environments with Docker and Kubernetes, and self-healing platforms that power business growth. My work has supported large-scale systems such as Gozem's super app with 5M+ users, where I improved deployment speed, reliability, and cloud efficiency. I've also led automation and monitoring initiatives at Hero Technologies and WaziEats, building multi-cloud pipelines, observability stacks with Prometheus and Grafana, and optimizing PostgreSQL and Python-based backends for performance and cost. I'm passionate about reliability, automation, and team enablement-helping organizations move faster, scale confidently, and deliver consistent value through resilient engineering.

EDUCATION

Master of Engineering

Telecommunications and Network

University of Buea

📅 Oct 2021 - Aug 2023

📍 Buea, CM

Relevant courses

- Cloud Computing
- Data Visualization
- Natural Language Processing
- Machine Learning Techniques

- Built automated deployment pipelines using GitLab CI/CD, reducing release time and helping the team ship updates faster with fewer failures.
- Implemented observability and performance dashboards with Prometheus and Grafana, improving visibility across services and reducing troubleshooting time during incidents.
- Introduced automated testing workflows and quality checks inside GitLab CI/CD, reducing production bugs and increasing confidence in every deployment.
- Strengthened platform security by enforcing cloud security policies, service access controls, and automated patching routines, ensuring safe and reliable transactions for users and partners.
- Migrated key services into containerized environments, improving deployment consistency and reducing release friction for engineers pushing updates.
- Built and maintained backend features and APIs in Python, working on request handling, data models, and service integration to support new customer and vendor features.
- Introduced monitoring, structured logging, and proactive alerting practices that helped the engineering team detect issues early, avoid downtime, and improve customer experience.
- Supported development and performance tuning of backend services in Python and PostgreSQL, improving API speed and database efficiency across critical food-delivery workflows.

DevOps & Platform Engineer

Hero Technologies

📅 Sept 2021 - Jan 2023 📍 Douala, CM

- Designed and built containerized platforms using Docker and Kubernetes, improving deployment speed and reliability across production workloads.
- Implemented Kubernetes clusters with autoscaling and self-healing nodes, ensuring services automatically recovered from failures and handled variable traffic with ease.
- Led multi-cloud infrastructure projects across AWS, Azure, and DigitalOcean, designing fault-tolerant and secure environments that improved uptime and deployment confidence.
- Developed automated build and release pipelines with Jenkins and GitHub, reducing manual steps and cutting delivery cycles from hours to minutes.
- Migrated critical workloads to AWS-managed services, leveraging EC2, S3, RDS, and CloudFormation to improve performance, scalability, and cost control.
- Introduced infrastructure-as-code automation using Ansible, Bash, and Python, eliminating repetitive tasks and improving operational consistency across environments.
- Built proactive monitoring and alerting pipelines with Prometheus, Grafana, and custom Python scripts, reducing incident resolution time by more than 40%.
- Engineered SSL/TLS lifecycle automation, managing certificate renewals and key rotation without downtime, enhancing overall platform security.

Bachelor in Computer Engineering

University of Buea

📅 Nov 2017 - Aug 2021

📍 Buea, CM

- Software Engineering Principles
- Distributed Systems

SKILLS

- Cloud Platforms: AWS · Google Cloud Platform (GCP) · DigitalOcean
- Infrastructure as Code (IaC): Terraform · CloudFormation · Ansible · Bash/Python automation
- Containerization & Orchestration: Docker · Kubernetes (EKS, GKE) · ArgoCD · Helm
- CI/CD Automation: Jenkins · GitLab CI/CD · GitHub Actions · SonarQube · Nexus
- Docker
- Monitoring & Observability: Prometheus · Grafana · Sentry · ELK Stack (Elasticsearch, Logstash, Kibana)
- Database & Backend Integration: PostgreSQL · MongoDB · API Integration (Python/FastAPI)
- Security & Reliability: Secrets Management · SSL/TLS Automation · CloudWatch Alerts · Cost Optimization

CERTIFICATIONS

- Server Infrastructure (Udemy)
- DevOps Master Class | Terraform, Jenkins, Kubernetes, Ansible (Udemy)
- AWS EKS Kubernetes-Masterclass | DevOps, Microservices (Udemy)

- Implemented secure CI/CD practices with secrets management, dependency scanning, and staged rollouts to ensure safe, controlled production releases.
- Built internal developer tools that automated environment setup, improving onboarding speed for new engineers and fostering a self-service DevOps culture.
- Configured centralized logging and observability systems, helping engineers detect performance regressions and resolve system issues before they reached end-users.
- Collaborated cross-functionally with developers, QA, and product leads to align infrastructure growth with business strategy, directly supporting customer expansion and reliability goals.
- Supported backend teams by integrating Python-based APIs with cloud infrastructure, ensuring each new feature shipped with performance and scalability in mind.

PROJECTS

Mentoraura – Mentorship & Career Development Platform

Founder & Platform Engineer



Jan 2025 - June 2025

- Designed and built Mentoraura, an online mentorship platform that connects aspiring engineers with mentors through structured programs, project challenges, and progress tracking dashboards.
- Containerized the entire platform with Docker, improving deployment speed and environment consistency across development and production.
- Implemented role-based access control and secure data flow for mentor–mentee interactions, ensuring privacy and compliance.
- Introduced analytics dashboards to monitor learning outcomes and engagement metrics, helping mentors evaluate growth and impact.
- Mentoraura has empowered 50+ engineers to transition into professional tech roles, proving the power of evidence-driven mentorship and hands-on learning.

The Engineering Ladder – Professional Growth Newsletter

Founder & Technical Writer



January 2025 - current

- Created The Engineering Ladder, a weekly newsletter that shares deep, actionable lessons in Software Engineering, DevOps, System Design, and Career Growth.
- Scaled the audience to 1 000 + subscribers, attracting readers from Africa, Europe, and North America.
- Wrote and edited over 60 issues, focusing on evidence-based learning and practical strategies that help engineers build proof of skill through real-world projects.