

# GYINAE SAMUEL

Backend & DevOps Engineer

dev.gyinae@gmail.com • +233 235 346 569 • Accra, Ghana • [LinkedIn](#) • [GitHub](#) • [Portfolio](#) • [Medium](#)

---

## PROFESSIONAL SUMMARY

---

Backend and DevOps Engineer experienced in building, deploying, and operating cloud-native applications across telecom and startup environments. Strong Linux foundation with hands-on experience developing backend services using Python and Node.js, PostgreSQL databases, and real-time systems, alongside implementing CI/CD automation and containerized deployments. Proven ability to deliver and maintain production platforms supporting 100,000+ users.

## CORE COMPETENCIES

---

**Backend Development** (Python, Node.js, REST APIs, Socket.IO) • **Databases** (PostgreSQL, Redis) • **Cloud** (AWS, Azure, OCI) • **Containers** (Docker, Kubernetes, Helm) • **CI/CD** (GitHub Actions, GitLab CI, Jenkins) • **IaC** (Terraform, Ansible, CloudFormation) • **Linux Administration** • **Monitoring** (Prometheus, Grafana, ELK)

## PROFESSIONAL EXPERIENCE

---

**Adhive Network (Start-up) | Co-Founder & Platform Engineer (Self employed)** Jan 2025 – Present

- Designed and built a full-stack production platform using Vite, Node.js, Socket.IO, and PostgreSQL.
- Developed backend services enabling real-time application functionality and API workflows.
- Deployed backend infrastructure to Railway and frontend applications to Vercel, managing full deployment lifecycle.
- Implemented GitHub-based CI workflows enabling controlled releases and collaborative development.
- Automated operational workflows using Python and Bash scripting within Linux environments.
- Containerized application environments using Docker and established deployment reliability practices.
- Implemented monitoring and operational processes for live production usage.

**Techomes IT | Networking & DevOps Engineer** 2023 – 2025

- Designed and maintained cloud infrastructure and automated deployment workflows across production environments.
- Implemented CI/CD pipelines improving deployment consistency and release reliability.
- Supported Linux-based application environments and infrastructure operations.

**Adaptive Computer Solutions | Applications Support & DevOps (Contract)** Nov 2024 – Mar 2025

- Supported Dockerized microservices across staging and production environments serving 100,000+ users.
- Maintained 99.9%+ availability through proactive monitoring and incident response.
- Improved CI/CD workflows and observability practices, reducing MTTR by ~20%.

**Hubtel Ghana Limited | Cloud & Services Connectivity Engineer (Contract)** Sep 2023 – Mar 2024

- Optimized enterprise infrastructure improving latency by 20% and reducing downtime by 15%.
- Designed and deployed infrastructure supporting Hubtel AI Lab systems.
- Strengthened infrastructure security monitoring and operational resilience for fintech platforms.

**Techomes IT | Network & Infrastructure Engineer** 2022 – 2023

- Managed enterprise infrastructure deployments across hybrid cloud and on-premise environments.
- Improved system reliability through infrastructure optimization initiatives.

**Techomes IT | IT Support Engineer** 2020 – 2022

- Delivered enterprise Linux and Windows systems support.
- Administered networking equipment and improved troubleshooting workflows.

## RELEVANT PROJECTS

---

### Production Platforms

#### **Adhive Cloud Platform (2025–Present)**

Built and operate live startup infrastructure including CI/CD workflows, backend services, PostgreSQL databases, and production deployments. [View Project](#)

## Telecom Microservices — MTN Group Affiliates (2024)

Supported containerized telecom services achieving 99.9% availability for platforms serving 100,000+ users. [View Project](#)

## Fintech & AI Lab Infrastructure — Hubtel (2023–2024)

Designed secure enterprise networking and monitoring infrastructure for fintech systems. [View Project](#)

## Engineering Projects

### Maria AI

AI-powered application integrating backend services and cloud deployment workflows. <https://maria-ai.vercel.app> | [GitHub](#)

### Muuvy Application

API-driven web platform demonstrating frontend–backend integration and deployment lifecycle. <https://muuvy.netlify.app> | [GitHub](#)

## TECHNICAL STACK

---

**Backend & Application Development:** Python, Node.js, REST APIs, Socket.IO, PostgreSQL, Redis (learning)

**Cloud & Deployment:** Railway, Vercel, AWS, Microsoft Azure, Oracle Cloud Infrastructure (OCI)

**Containers & DevOps:** Docker, Kubernetes, Helm, GitHub Actions, GitLab CI, Jenkins, ArgoCD

**Infrastructure as Code:** Terraform, Ansible, CloudFormation

**Systems:** Linux Administration, Networking Fundamentals (TCP/IP, DNS)

**Monitoring & Observability:** Prometheus, Grafana, ELK Stack

## CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

---

- [Oracle Cloud Infrastructure DevOps Professional \(2025\)](#)
- [Oracle Cloud Infrastructure Multicloud Professional \(2025\)](#)
- [AWS Cloud Practitioner — Amazon Web Services \(2021 & 2024\)](#)
- [Cisco Certified Network Associate \(CCNA\) — Cisco \(2021\)](#)
- [Cisco Junor Cybersecurity Threat Analyst Certification \(2025\)](#)
- [Cisco Ethical Hacker Certification \(2025\)](#)
- [Linux Administration Certification](#)
- [Python Programming Certification — CodeBrewery \(2022\)](#)
- Backend Development & Systems Engineering (Python, Node.js, NGINX, Redis) — Ongoing (2026)

## EDUCATION

---

**Higher School of Economics** — MSc Finance & Credit (Financial Engineering) 2018 – 2020

*St. Petersburg, Russia - [view thesis](#)*

**Kwame Nkrumah University of Science and Technology** — BSc Quantity Surveying & Construction Economics

*Kumasi, Ghana*

## VOLUNTEERING

---

**Open Source Contributions** — [GitHub](#) & [StackOverflow](#) (Remote) 2023 – Present

- Published IaC templates, Kubernetes configurations, and observability tooling (50+ contributions).

**Languages:** English (Native) | Russian (Intermediate)