

# Edmund Antai

## SOFTWARE ENGINEER, DEVOPS / SITE RELIABILITY ENGINEER

Uyo, Akwa Ibom, Nigeria | +2348039236658 | antaiedmund@gmail.com

GitHub: [Devonlegend \(Edmund Antai\)](#) portfolio: [Edmund Antai](#)

### PROFESSIONAL SUMMARY

Software Engineer and DevOps / Site Reliability Engineer with hands-on experience building, deploying, and maintaining web applications and infrastructure. Experienced with Docker, Linux, VPS environments, Coolify, Git/GitHub, PostgreSQL, Redis, CI/CD concepts, reverse proxies, SSL/TLS, DNS, and application monitoring. Strong backend development background using Django and FastAPI, with practical experience troubleshooting deployment, networking, database, and production configuration issues. Interested in building reliable, secure, observable, and automated infrastructure.

### TECHNICAL SKILLS

**DevOps & Infrastructure:** Linux, Docker, Docker Compose, Windows Server, IIS, Caddy, VPS, Reverse Proxies, SSL/TLS, SSH

**CI/CD & Automation:** GitHub Actions, Jenkins, Git Webhooks, CI/CD Pipelines, Deployment Automation, Health Checks, Rollbacks

**Infrastructure as Code & Configuration:** Terraform, Ansible

**Containers & Orchestration:** Docker, Docker Compose, Kubernetes

**Monitoring & Observability:** Prometheus, Grafana, Sentry, Server Health Monitoring, Application Monitoring, Logging, Health Checks

**Cloud & Hosting:** VPS, Render, Vercel, Cloudflare, Coolify, Winify

**Programming & Scripting:** Go, Python, Bash, JavaScript, TypeScript, SQL

**Backend:** FastAPI, PydanticAI, Django, Django REST Framework

**Databases:** PostgreSQL, Redis, SQLite, ChromaDB

**Networking:** SSH, WinRM, HTTP/HTTPS, DNS, TCP/IP, Reverse Proxy Configuration

**Security:** SSH Keys, TLS, Credential Encryption, Authentication, Secure Configuration, Least-Privilege Access

### PROJECT EXPERIENCE

#### Winify - DevOps Control Center

**Creator & Developer | Go, Docker, Linux, Windows Server, IIS, SSH, WinRM, Caddy**

- Building a self-hosted PaaS and DevOps control plane in Go for automated deployment and management of Docker/Linux and Windows IIS environments.
- Designed a push-to-deploy CI/CD workflow where Git webhooks trigger application builds, deployments, health checks, and rollback procedures.
- Designed direct server automation through SSH for Linux/Docker hosts and WinRM/PowerShell Remoting for Windows IIS servers.
- Designed automated reverse-proxy configuration and Let's Encrypt TLS provisioning for deployed applications.
- Designed deployment rollback mechanisms using previous Docker image versions and timestamped IIS backups.
- Designed agentless server monitoring that collects CPU, memory, disk, uptime, and service health through existing SSH/WinRM connections.
- Integrated Caddy as a reverse-proxy and TLS layer.
- Designed secure credential management for SSH private keys and Windows credentials, including encryption at rest.
- Designed the architecture around Go's concurrency model to handle webhook events, remote connections, deployment jobs, and monitoring operations.

#### Production Deployment & Infrastructure

##### DevOps / Software Engineering

- Deployed containerized applications using Docker and Linux-based VPS infrastructure.
- Configured application servers, PostgreSQL databases, reverse proxies, domains, and SSL/TLS for production environments.

- Managed DNS and domain configuration through Cloudflare.
- Worked with Coolify for self-hosted application deployment and infrastructure management.
- Configure Caddy and reverse-proxy rules to route traffic to application services.
- Troubleshoot application, networking, database, and deployment configuration issues across development and production environments.
- Worked with environment variables, secrets, SSH access, and production configuration management.

### **AI-Powered Tax Information System**

**Developer / Infrastructure | FastAPI, PydanticAI, PostgreSQL, ChromaDB, Ollama, Docker**

- Built backend services using FastAPI with structured data validation through Pydantic.
- Developed a RAG pipeline using ChromaDB and embeddings for tax-document retrieval.
- Integrated locally hosted AI models through Ollama.
- Used Docker and PostgreSQL as part of the application infrastructure.
- Designed the application with resource efficiency and reliable deployment in mind.

### **Scholarship Management Platform**

**Full-Stack Developer / Deployment | Django, Next.js, PostgreSQL, Redis, Celery, Docker**

- Developed and deployed a full-stack application using Django, Next.js, PostgreSQL, Redis, and Celery.
- Containerized application services and configured production deployment environments.
- Used Redis and Celery for asynchronous background processing.
- Configured database connectivity, environment variables, authentication, domains, and production services.
- Troubleshoot deployment and application configuration issues across development and production environments.

## **EDUCATION**

**University of Uyo** B.Sc. Computer Science, Faculty of Computing

Expected Graduation: [2027]

Relevant areas: Computer Networks, Operating Systems, Database Systems, Software Engineering, Programming

## **SOFT SKILLS**

Problem solving • Troubleshooting • Analytical thinking • Technical research • Communication • Team collaboration • Adaptability • Continuous learning

## **LINKS**

GitHub: [Devonlegend \(Edmund Antai\)](#)

Portfolio: [Edmund Antai](#)

X: [devon \(@DevEdmund\) / X](#)