

# AKINYOMI OLUWAROTIMI

## Senior Backend Software Engineer

### SUMMARY

Backend Software Engineer with over 8 years of experience, specializing in Python, Go, and cloud-native technologies. Expert in API development, system architecture, and integrating distributed systems within research, regulated, and blockchain fields. Proficient in Python, Go, SQL, Docker, Kubernetes, AI/ML tools, and cloud services (GCP, AWS). Has led backend development for decentralized applications, real-time monitoring, file-sharing systems, and automated SDLC focusing on security and performance. Demonstrates proficiency in DevSecOps, regulatory compliance, and modern backend frameworks.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Python (8 yr.), Django (7 yr.), Django REST framework (7 yr.), SQL
<b>Programming Languages</b>	Go, JavaScript, Python (8 yr.), Solidity, TypeScript
<b>Python Frameworks</b>	Django (7 yr.), Django REST framework (7 yr.)
<b>Python Libraries and Tools</b>	Django Ninja (2 yr.), Django ORM
<b>Go Frameworks</b>	Echo, Fiber, Gin
<b>Go Libraries and Tools</b>	Echo, Gin
<b>AI &amp; Machine Learning</b>	LLM, OpenCV
<b>Databases &amp; Management Systems / ORM</b>	AWS ElasticSearch, PostgreSQL, SQL
<b>UI Frameworks, Libraries, and Browsers</b>	CSS3, HTML5, SASS
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, DigitalOcean, GCP
<b>Amazon Web Services</b>	AWS ElasticSearch
<b>Azure Cloud Services</b>	Azure App Service
<b>QA, Test Automation, Security</b>	Django unit-tests, Unit Testing
<b>Virtualization, Containers and Orchestration</b>	Docker
<b>Mail / Network Protocols / Data transfer</b>	GRPC, JWT

<b>BlockChain and Decentralized Software</b>	IPFS (InterPlanetary File System)
<b>Deployment, CI/CD &amp; Administration</b>	Jenkins, Jenkins CI
<b>Third Party Tools / IDEs / SDK / Services</b>	Jinja2 (7 yr.)
<b>SDK / API and Integrations</b>	JWT
<b>Message/Queue/Task Brokers</b>	Kafka, RabbitMQ
<b>Operating Systems</b>	Linux
<b>Web/App Servers, Middleware</b>	Nginx
<b>Platforms</b>	sendgrid
<b>Other Technical Skills</b>	InterPlanetary File System, IT security audits, Python Django

## WORK EXPERIENCE

### Lead Tester, Security Assessment of Website

**Summary:** Backend development and security audit for a start-up's web application security.

**Responsibilities:** Conducted in-depth vulnerability assessments, analyzed TLS/SSL configurations, provided actionable reports and recommendations for mitigating identified vulnerabilities.

**Technologies:** OWASP Top 10, Web Security

### Backend Developer, Simbi AI Bot

**Duration:** 2021

**Summary:** Development of a Rasa-powered chatbot backend for scholarometer with real-time data APIs and error tracking.

**Responsibilities:** Built chatbot backend, integrated real-time data APIs, worked with Telegram bot framework and Sentry for error tracking.

**Technologies:** Python, Rasa, Telegram, Sentry

### Lead Fullstack Developer (Backend-Heavy Role), Security Alert Platform

**Duration:** Sept 2019 - Dec 2021

**Summary:** Backend system design and full development lifecycle for security alert platform across Africa.

**Responsibilities:** Developed APIs, managed secure workflows, designed database, automated deployment on Linux, used SendGrid for email services.

**Technologies:** Python, PostgreSQL, Django, Linux, SendGrid



### **Backend Developer, Tenderblock, TranzFile, StreamMap**

**Duration:** March 2021 – April 2025

**Summary:** Backend development for Tenderblock, TranzFile, and StreamMap including secure storage, PDF generation, and data protection.

**Responsibilities:** Led system design, ensured data model integrity, RBAC, and security configuration, developed secure file-sharing system and PDF generation with barcode validation.

**Technologies:** Python, PostgreSQL, Django, IPFS, AES256 encryption

### **Backend Developer, Multiple Projects**

**Duration:** June 2023 – April 2025

**Summary:** Development and maintenance of scalable backend services for blockchain and AI-driven platforms and a real-time environmental monitoring system.

**Responsibilities:** Designed scalable backend services, led development of LLM-based multilingual chatbot and real-time environmental monitoring backend, maintained secure backend systems, conducted security audits, and delivered coding bootcamps.

**Technologies:** Go, Python, Solana, Ethereum, Hedera, OpenCV

### **Backend Developer, IJMLPD Web Platform**

**Duration:** 2023

**Summary:** Building and deploying backend for a global academic journal web platform with advanced data handling.

**Responsibilities:** Built and deployed Django-based backend, featured background job handling, ReCaptcha integration, and data import/export.

**Technologies:** Django, ReCaptcha, Data Import/Export

### **Backend Developer, UJ Food Trolley**

**Duration:** 2024

**Summary:** Backend development for a university-wide food parcel distribution system supporting 17,000+ users.

**Responsibilities:** Developed backend with Django REST APIs, implemented Huey-based async email queues, created custom admin reporting, and integrated mobile API.

**Technologies:** Django, Django REST framework, Huey, Mobile API integration

### **Backend Developer, Spotter AI**

**Duration:** 2024

**Summary:** Developed a Django backend API integrating machine learning to offer optimized fuel stop recommendations for US road trips.

**Responsibilities:** Built Django backend API, integrated machine learning model, worked with MapQuest + OpenRouteService APIs, included route-aware logic and fuel price filtering.

**Technologies:** Django, Random Forest, MapQuest, OpenRouteService



## **Backend Developer, Multiple Face Recognition**

**Duration:** 2025

**Summary:** Developed real-time face recognition using AI models, capable of detecting and recognizing faces through video.

**Responsibilities:** Captured live video for face detection and recognition using MTCNN and FaceNet, implemented bounding boxes with names on recognized faces through OpenCV.

**Technologies:** MTCNN, FaceNet, OpenCV

