

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

Main Technical Skills	Python (8 yr.), Django (7 yr.), Django REST framework (7 yr.), SQL
Programming Languages	Go, JavaScript, Python (8 yr.), Solidity, TypeScript
UI Frameworks, Libraries, and Browsers	CSS3, HTML5, SASS
Python Frameworks	Django (7 yr.), Django REST framework (7 yr.)
Python Libraries and Tools	Django Ninja (2 yr.), Django ORM
Go Frameworks	Echo, Fiber, Gin
Go Libraries and Tools	Echo, Gin
AI & Machine Learning	LLM, OpenCV
Databases & Management Systems / ORM	AWS ElasticSearch, PostgreSQL, SQL
Cloud Platforms, Services & Computing	AWS, DigitalOcean, GCP
Amazon Web Services	AWS ElasticSearch
Azure Cloud Services	Azure App Service

QA, Test Automation, Security	Django unit-tests, Unit Testing
Virtualization, Containers and Orchestration	Docker
Mail / Network Protocols / Data transfer	GRPC, JWT
BlockChain and Decentralized Software	IPFS (InterPlanetary File System)
Deployment, CI/CD & Administration	Jenkins, Jenkins CI
Third Party Tools / IDEs / SDK / Services	Jinja2 (7 yr.)
SDK / API and Integrations	JWT
Message/Queue/ Task Brokers	Kafka, RabbitMQ
Operating Systems	Linux
Web/App Servers, Middleware	Nginx
Platforms	sendgrid
Other Technical Skills	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

