

OMOTAYO TIMOTHY FEHINTOLU

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PROFESSIONAL SUMMARY

Software Engineer with 8+ years of experience building scalable backend systems, event-driven architectures, and cloud infrastructure. Deep expertise in Python, JavaScript/TypeScript, and AWS, with hands-on experience in message-driven systems and CI/CD automation. Proven track record across fintech, blockchain, enterprise HR platforms, and DevOps, turning complex business requirements into robust, maintainable solutions while mentoring development teams.

TECHNICAL SKILLS

Languages & Frameworks: Python (Django, Flask), JavaScript/TypeScript (Node.js, NestJS), Golang (Chi, Gin)

Cloud & DevOps: AWS (Lambda, SQS, SNS, EC2, S3, RDS, CloudFormation, CDK, CloudWatch, Kinesis, MSK Serverless), CI/CD (GitHub Actions, Octopus, Azure DevOps Pipeline), Docker, Terraform, Kubernetes

Messaging & Async Processing: RabbitMQ, Amazon MSK, Celery, AWS SQS/SNS

Observability & Monitoring: Datadog, Grafana, CloudWatch, Elasticsearch

Databases & Tools: PostgreSQL, DynamoDB, Redis (incl. Redis Time Series), Elasticsearch, OpenSearch

APIs & Protocols: REST, GraphQL, gRPC, Web3

PROFESSIONAL EXPERIENCE

Plan A Technologies (Impel) | *Software Engineer, Platform* June 2022 – Present

Technologies: Python, AWS (Lambda, SQS, SNS, Kinesis, MSK Serverless, Sagemaker), IaC (CDK, CloudFormation, Terraform), Docker, Elasticsearch, OpenSearch, Datadog, Grafana, CloudWatch, CI/CD (GitHub Actions, Octopus)

- Build and maintain cloud infrastructure for the Platform Infrastructure & DevSecOps team, ensuring high availability and performance across production environments.
- Design and implement event-driven and serverless solutions on AWS using Lambda, Sagemaker, SQS, SNS, and streaming pipelines (AWS Kinesis, Amazon MSK Serverless) to support asynchronous, high-volume workflows and improve service decoupling.
- Design, build, and maintain CI/CD (Octopus, GitHub actions, Azure DevOps) pipelines and containerized workloads to automate testing, security scanning, and deployment, improving release velocity and consistency across teams.

- Provision and manage AWS infrastructure using CDK, CloudFormation, and Terraform, reducing manual configuration errors and improving deployment consistency.
- Drive cloud cost optimization through resource rightsizing, reserved instance planning, and automation to reduce AWS spend.
- Build and maintain observability solutions using Grafana, CloudWatch, Datadog, Elasticsearch for monitoring, alerting, logging, and operational visibility.
- Strengthen the organization's security posture through SOC 2 compliance initiatives and InfoSec activities across cloud resources which includes using third party solutions like Vanta.

Pyxel Chain Technologies | *Backend Engineer*

Nov 2021 – June 2022

Technologies: Python (Django), GraphQL, Web3, Redis Time Series, Docker

Sheridan, Wyoming, US (Remote)

- Developed the core server-side application for Web3 services using Python (Django, GraphQL, DRF), bridging traditional web infrastructure with blockchain smart contracts.
- Designed a high-performance data pipeline using Redis Time Series to ingest and aggregate blockchain transaction data for real-time analytics dashboards.
- Developed blockchain-based solutions leveraging Web3 technologies and NFTs and implemented multi-signature (multisig) verification for enhanced security.
- Containerized services with Docker and built CI/CD pipelines for automated builds, testing, and deployment of the backend.

United Bank for Africa (UBA) | *Software Engineer Consultant*

Jan 2020 – Nov 2021

Technologies: Python (Django), React, TypeScript, Microsoft Azure, Celery, RabbitMQ

- Developed features for an HR automation and staff management system at a bank, helping streamline employee lifecycle processes and reduce administrative overhead.
- Built asynchronous task processing with Celery and RabbitMQ to handle background jobs such as notifications, scheduled reports, and long-running HR workflows without blocking core services.
- Translated business and stakeholder requirements into technical solutions, collaborating closely with cross-functional teams to integrate payment gateways and Mastercard functionalities.
- Implemented comprehensive testing strategies, including unit, integration tests and CI/CD (Gitlab) pipelines, to ensure the reliability of critical HR functions.

Africa Prudential | *Full-Stack Software Engineer*

Oct 2019 – Dec 2019

Technologies: Python (Django), React, TypeScript

- Collaborated with cross-functional teams to analyze and implement system solutions based on evolving client requirements.
- Evaluated project requirements and developed software applications that exceeded client expectations for functionality and performance.

Andela | *Full-Stack Software Engineer*

Nov 2018 – Sept 2019

Technologies: Python (Django), JavaScript, React

- Developed highly maintainable code for Andela's internal technology platform, establishing core frameworks that received consistent praise from subsequent developers.
- Built extensive test suites using Python and JavaScript testing frameworks, ensuring code quality and reducing production bugs.
- Mentored junior developers, conducted code reviews, and led technical learning sessions to contribute to organizational growth.
- Worked in an Agile environment with daily standups and one-to two-week sprints, delivering features on schedule.

Spec Engineering | *Software Engineer*

June 2018 – Nov 2018

Technologies: PHP (Laravel), React

Project: Goenergee – Online payment gateway for bill payments and utility service recharges.

- Developed RESTful APIs with Laravel to handle user authentication, bill payments, and third-party utility integrations.
- Built dynamic, reusable React components for transaction history and payment method management interfaces.
- Designed technical architecture for new features and created detailed documentation for the development team.

Technologies: Python, PHP, JavaScript

- Developed and maintained web applications, building admin dashboards and integrated blog systems.
- Applied object-oriented programming principles and algorithmic problem-solving to build core application features.
- Collaborated with a multi-disciplinary team to translate business requirements into detailed technical specifications and functional code.

PROJECTS

Nivabot: An AI-Powered Chatbot for Supporting Victims of Gender-Based Violence | <https://askniva.org>

Python, AWS, Amazon Lex, Anthropic Sonnet 4.5, CloudFormation, Reactjs

QueryMind: Agentic Natural-Language-to-SQL Analytics Assistant | <https://github.com/el-joft/querymind>

Python, LangGraph, LangChain, AWS Bedrock, PostgreSQL, pgvector, sqlglot, Langfuse, Docker

EDUCATION

Master of Technology in Technology Innovation Management

Sept 2024 – Jan 2026

Carleton University, Ottawa

Post Graduate Program in Cybersecurity

Sept 2025

Certificate: vrfy.digital/wslftosq | **ePortfolio:** mygreatlearning.com/eportfolio

University of Texas at Austin

Bachelor of Science in Quantity Surveying

Nov 2011- Nov 2016

Ahmadu Bello University, Zaria, Nigeria