

ADEDAMOLA ADEDAPO

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PROFESSIONAL SUMMARY

Backend Engineer with 6+ years' experience in Python (3.x), Django Rest Framework, and FastAPI. Skilled in building scalable APIs, microservices, and distributed systems using PostgreSQL/MySQL, Redis, Celery, Docker, and Kubernetes. Strong in TDD, CI/CD (GitLab), and code quality (Flake8). Hands-on experience with LangChain/LLMs and cloud platforms (AWS, GCP).

KEY SKILLS

- **Languages:** Python (3.x), Javascript, Go, Rust
- **Frameworks & APIs:** Flask, FastAPI, Django, GoFibre, Rocket, ReactJS, REST API Design, GraphQL, Microservices
- **Databases & Messaging:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Amazon RDS, ClickHouse, PostGIS, RabbitMQ, Celery, Apache Spark
- **Cloud & DevOps:** AWS, GCP, DigitalOcean, Docker, Kubernetes, Amazon ECS, Terraform, AWS CDK, CloudFormation, CI/CD (GitLab, GitHub Actions), Docker Compose
- **Testing & Quality:** TDD, Unit & Integration Testing, Pytest, Flake8, Code Reviews
- **Data Engineering & Analytics:** AWS Data Stack, Apache Airflow, Analytics Tools
- **AI & LLMs:** LangChain, LLMOps, OpenAI APIs
- **Collaboration:** Agile (Scrum, Kanban, Waterfall), Git, GitLab, Bitbucket, JIRA, ClickUp, Confluence, Slack

WORK EXPERIENCE

Backend Engineer / Automation Specialist (Contract)

Nomad Internet

Remote

Dec. 2024 - Current

- Engineered automation pipelines with Python and Flask to streamline billing for 10,000+ customers; reduced payment delays by 25%.
- Automated SIM activation workflows using n8n and custom APIs, cutting onboarding time by 40% and reducing support ticket volume by 30%.
- Developed REST APIs and Slack-integrated alerting systems for real-time financial and operational monitoring.
- Deployed containerised applications with Docker; integrated CI/CD pipelines with GitLab.
- Optimised backend processes with PostgreSQL/MySQL and secured endpoints with OAuth2.

Senior Backend Engineer

Uburu.ai

Remote

Feb. 2023 - Nov. 2024

- Designed and scaled backend services with Python (3.x), Django Rest Framework, and FastAPI, achieving 99.99% uptime.
- Migrated workloads to AWS (RDS, S3, Lambda), cutting costs by 20%.
- Built an OCR + ETL pipeline digitising 50k+ medical records for AI-driven healthcare analytics.
- Optimised data ingestion with Celery + Redis, reducing pipeline runtime by 35%.
- Applied TDD with Pytest and automated CI/CD pipelines in GitLab.

Senior Backend Engineer / Head of Engineering

Sendme.ng

On-site

Mar. 2022 - Jan. 2023

- Scaled backend with Python (3.x), Django Rest Framework, and PostgreSQL to support 200k+ monthly users with API response times under 100ms.
- Introduced TDD (Pytest) and CI/CD pipelines, reducing MTTR by 50%.
- Built search features using Elasticsearch, boosting query performance.

- Delivered APIs powering 3 mobile + 5 web apps integrated with AWS (EC2, S3, SNS).
- Containerised deployments with Docker.

Full-stack Engineer (Contract)

Solution Social Network

Remote

Oct. 2021 - Feb. 2022

- Built social networking features with Django Rest Framework + React, scaling user engagement.
- Optimised APIs with PostgreSQL and deployed services via Docker.

Senior Backend Engineer

Data Totem NG

On-site

May 2019 - Sep. 2021

- Developed REST APIs with Django Rest Framework, implementing complex business logic for SaaS platforms.
- Optimised queries with PostgreSQL & Elasticsearch, cutting load times by 50%.
- Introduced Docker containerisation for consistent environments.
- Strengthened code quality with unit testing and TDD (Pytest).

PROJECTS

- **LLM-Powered Fintech APIs:** Integrated LangChain-based APIs for intelligent banking automation, reducing manual support requests by 35%.
- **E-commerce Scaling with Django:** Architected a Django Rest Framework system with PostgreSQL + Celery, supporting 200k+ users at <100ms latency.
- **Healthcare Data Digitisation:** Built OCR + ETL pipelines to process 50k+ medical records for AI analytics.
- **Cloud Cost Optimisation:** Reduced AWS infra spend by 20% with serverless (Lambda, S3, DynamoDB).

CERTIFICATIONS

- **Cloud & Infrastructure:** ALX-T Cloud Certified - Developer, HashiCorp Certified: Terraform Associate, FinOps Certified - Practitioner, Udacity Cloud Developer Nanodegree
- **Machine Learning & AI:** Udacity AWS Machine Learning Nanodegree
- **Reliability & Testing:** Gremlin Chaos Engineering Certified
- **Cloud Platform Training:** Google Training Badges (cloudskillsboost.google.com/public_profiles/31909449-1a29-487b-97ff-69a11232dc93)
- **Developer Programmes:** Microsoft ADC West Game of Learners Clinics

SPEAKING ENGAGEMENTS

- **PyCon Nigeria 2024** "LLMOps: Strategies for Rapid Prototyping and User Engagement" Session on integrating LangChain + LLMOps into dev workflows for rapid deployment.
- **PyCon Nigeria 2019** "Building a Multitenant Application with Django" Presented scalable Django architecture strategies.
- **PyCon Namibia 2021** "SOLID Principles of OOP and Agile Design" Shared Agile-friendly OOP design best practices.

EDUCATION

Obafemi Awolowo University

B.Sc. Electronic & Electrical Engineering

2nd place nationally, IEEE Xtreme Programming Contest 15.0

Sept. 2015 - Sept. 2021

LANGUAGES

- English: C1
- Yoruba: Native
- German: A2