

OKPE, GODWIN PHILLIPS

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PROFESSIONAL SUMMARY

An experienced software engineer and Monitoring & Evaluation professional with a strong track record in software engineering and data-driven program management. With proficiency in building scalable APIs, and database solutions, as well as conducting data analysis, and visualization for health programs, I am well equipped to contribute meaningfully to innovative projects.

SKILLS

Programming Languages: Python (Django, Flask, FastAPI), Javascript (Nodejs, Express), Dart (Flutter), C, HTML/CSS

Database Management: SQL (MySQL, PostgreSQL), InfluxDb

Operating System: Windows, Linux and command line tools

Web Server: Nginx

Team Collaboration/Communication: Trello, Jira, Slack, Discord, Outlook

Version Control: Git and github

Soft Skills: Critical Thinking, Leadership, Effective Communication.

EXPERIENCE

Monitoring and Evaluation Assistant

APIN Public Health Initiatives *2020 – Present*

- Conducted data collation, validation, and quality assessments.
- Entered and analyzed data using DHIS2.
- Trained facility staff on data management and documentation practices.
- Facilitated routine data review meetings to enhance program outcomes.

Backend Developer

AgriOk *09/2024 – 11/2024*

- Designed and developed a scalable backend API.
- Key functionalities include:
 - User authentication (registration, login, password reset).
 - CRUD operations for posts, farmlands, insights, and products.

- Admin processes for app management.
- Integration with MQTT to process sensor data into InfluxDB for time-series analysis.
- Managed PostgreSQL databases and optimized query performance.
- Deployed API to a production environment, ensuring reliability and security.

Database Design and Management

AgriOk

09/2024 – 11/2024

- Designed scalable database solutions with schema design, data migration, and performance optimization.
- Enforced role-based access controls and encryption for sensitive data.
- Monitored key database metrics to ensure efficiency

Software Engineering Student

ALX Africa

02/2023 – 06/2024

- Developed competency in software engineering concepts, working with C, Python, Javascript, Bash, Linux, and Nginx.
- Built real-world projects, including backend APIs and web applications.
- Applied agile development, problem-solving, and team collaboration skills.

Backend Developer

Heed

12/2022 – 03/2023

- Collaborated with a team to develop an API for call records transcription and sentiment analysis.
- Focused on REST API design and backend logic using Python and FastAPI.
- Implemented email verification, password reset and CRUD operations for profile

Backend Developer Intern

HNG Internship Cohort 9

10/2022 – 12/2022

- Worked with the backend team to develop a functional API using FastAPI for an audio transcription and sentiment analysis web application.
- Collaborated with team mates to develop the architectural diagram
- Carried out code review and unit testing
- Gained experience with version control and project management platforms.

Full Stack Developer Intern

Zuri Team Inc

05/2022 – 08/2022

- Worked in a team that developed a user authentication library website using Django

- Carried out code review and unit testing
- Gained experience with agile development methodologies.

EDUCATION

In-view	Ahmadu Bello University, Zaria <i>Master of Public Health (Epidemiology)</i>
2023 – 2024	ALX Software Engineering Program <i>Software Engineering – Backend Specialization</i>
2013 - 2018	University of Agriculture, Makurdi <i>B.Sc Microbiology (CGPA 4.49/5.0)</i>