

# DINOBI UDEH | SOFTWARE ENGINEER

No 16 Medical Road Phase 6 Trans Ekulu, Enugu | +2347066041638 |

udehdinobi@gmail.com

<https://www.github.com/Di-nobi> | <https://www.linkedin.com/in/dinobi>

## PROFESSIONAL SUMMARY

Results-driven Software Engineer with hands-on experience in backend development, specializing in Python, Flask, FastAPI and Django. Proven ability to design and optimize databases, create robust APIs, and contribute to collaborative projects. Eager to bring technical expertise and enthusiasm to a dynamic software engineering team.

## SKILLS

- ✓ Python
- ✓ Framework - Flask, Django, FastAPI, Nodejs
- ✓ JavaScript
- ✓ Back-end web development
- ✓ MongoDB, MySQL, Postgres
- ✓ AWS CLOUD EC2
- ✓ Test driven development (Unittests and Pytest)
- ✓ Source control - Github, Linux

## PROFESSIONAL EXPERIENCE

### ALX Africa

Software Engineer | SEPT, 2022 - NOV 2023

**Skills: Python, JavaScript, Bash, MongoDB, Flask, Django, Postgres, MySQL**

- Engineered a robust database system for a Hotel site, enabling seamless creation, updates, and retrieval of available places for users to book, improving overall site functionality.
- Optimized MySQL database performance significantly by implementing indexing strategies, resulting in expedited retrieval of specific information from vast datasets.
- Developed a high-performance API using Flask and Python, seamlessly connecting the client side with the backend database server, enhancing data accessibility and user experience.

### Premium Pips

Backend Developer

**Skills: TypeScript, Node.js, MongoDB, Expressjs, Mocha, AWS CLOUD**

- Spearheaded the development of a robust messaging application, implementing both single and group messaging functionalities using WebSockets for real-time communication.
- Designed and optimized the database architecture, establishing a MongoDB database to manage and track user and file documents, which significantly enhanced data organization and retrieval efficiency.
- Engineered a comprehensive authentication process, optimizing user data storage and strengthening overall system security.

## RELEVANT PROJECTS

### GoInventory

Collaborative Backend Development Project | FEB 2024 - MAR 2024

<https://github.com/Donwiseman/eInventoryManager>

**Skills: Python, Flask, PostgreSQL, JWT**

- Collaborated on the development of a web application utilizing Python, Flask, and PostgreSQL.
- Implemented a secure authentication process for user sign-up and login, ensuring valid user credentials were securely stored in a well-designed database.
- Designed and developed database schemas to efficiently manage user credentials and organizational data, supporting the creation and management of multiple stores within the application.
- Integrated JWT-based authorization to secure API endpoints and ensure that only authenticated users could access specific features and data.

## EDUCATION

**2019 - 2024 | University of Nigeria Nsukka**

Bachelor of Engineering - Electronics and Computer Engineering

**2022 - 2023 | ALX Software Engineering**

Software Engineering -

<https://intranet.alxswe.com/certificates/nxe2GZ759Y>