

FLOURISH OLUKOTUN

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SUMMARY

Backend Developer with proven experience in building scalable, AI-driven applications and designing robust APIs. Demonstrated success with award-winning projects like Talk-Beta and impactful systems at MyUni, utilizing Python, FastAPI, and PostgreSQL. Passionate about applying strong computer science fundamentals and innovative solutions to contribute to full-stack projects and enterprise systems.

EDUCATION & TECHNICAL TRAINING

Bells University of Technology, Ota, Nigeria

Nov 2022 - 2027

Bachelor of Science (B.Sc.), Computer Science

- **GPA:** 4.74/5.00

EXPERIENCE

Inventors Community

Aug 2025 - Oct 2025

Backend Developer

- Developed and deployed a FastAPI backend using Docker and Render, enhancing scalability and API performance through efficient asynchronous operations while applying modern software engineering practices relevant to scalable enterprise systems.
- Designed and implemented a PostgreSQL database schema on Supabase to manage user sessions, audio data, and analysis results, facilitating real-time data integration and aligning with data science-driven environments.
- Integrated AI-powered speech transcription (AssemblyAI) and implemented custom analysis functions to deliver personalized feedback, demonstrating adaptability and a keen learning mindset in emerging technologies.

MyUni

Jan 2024 - Jun 2025

Backend Developer

Lagos, Nigeria

- Built and deployed a matching algorithm using Google Apps Script that analyzed student preferences against university data, boosting recommendation accuracy by 85% and exhibiting proficiency in algorithm design and data handling.
- Engineered an automated backend workflow for personalized email generation and top 10 match delivery, enhancing user engagement and reducing manual efforts while reinforcing full-stack development experience across backend services and APIs.
- Designed and maintained a data architecture that connected Google Forms, Sheets, and custom scripts, enabling real-time processing for hundreds of student entries and seamless system integration, reflective of practical software engineering practices.

PROJECTS

FastAPI Robust User Data System | [Check it out](#)

Oct 2025

- Developing a scalable, maintainable user management microservice using FastAPI and Python. Designed to handle 10,000+ users out of the box, with clean modular architecture, RESTful endpoints, and optimized database operations for reliability and easy integration.

FastAPI Task Manager | [Check it out](#)

- Built a lightweight, RESTful task management API with FastAPI to demonstrate core backend principles including data validation, authentication, and CRUD operations. Focused on clean architecture, maintainability, and developer experience.

SKILLS

- **Languages/Frameworks:** Python, JavaScript, FastAPI, Node.js, Express.js, RESTful APIs
- **ORMs:** SQLAlchemy, SQLModel
- **Databases:** PostgreSQL, MongoDB, SQLite
- **Tools:** Git, Postman, Docker, Google Cloud, AWS, Azure, Vercel, Render, Redis, Kafka, Kubernetes
- **Computer Science Fundamentals:** Data Structures, Algorithms, Operating Systems, Networking
- **Non-Technical:** Problem Solving, Leadership, Time Management, Adaptability, Communication, Learning Mindset

CERTIFICATIONS (IN PROGRESS)

- **AWS Cloud Practitioner Essentials:** cloud fundamentals, compute, storage, and networking.
- **Microsoft Azure Fundamentals:** cloud concepts, core services, and architecture.
- **CS50x:** Introduction to Computer Science
- **CS50p:** Introduction to Programming with Python,
- **CS50AI:** Introduction to Artificial Intelligence