

Ugochukwu Lumanze

Python Backend Developer

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Experienced and detail-oriented Python Backend Developer with a strong background in designing and implementing scalable and efficient backend systems. Adept at collaborating with cross-functional teams to drive project success. Proven expertise in optimizing database performance, implementing RESTful APIs, and ensuring the security and integrity of data. Committed to staying current with emerging technologies and continuously enhancing development skills

WORKING EXPERIENCE

Python Backend Engineer - *NIIT*.

September 2021 - Present

As a full-time Python Backend engineer at NIIT. I am responsible for converting ideas to products using modern technology and collaborating with the dynamic team.

- ❖ Developed and maintained backend systems using Python and Django, improving performance by 30%
- ❖ Designed and implemented RESTful APIs, reducing integration issues by 15%.
- ❖ Collaborated with frontend developers to integrate user-facing elements, cutting deployment time by 20%.
- ❖ Conducted code reviews, improving team efficiency and ensuring compliance with best practices.
- ❖ Utilized a stack including AWS EC2, MySQL, and Docker to deploy cloud-based solutions.

Throughout my professional journey at NIIT I have worked in Python, Django, SQL, Flask, FastAPI, HTML, CSS, MySQL, MongoDB, AWS EC2, AWS SES, AWS S3, AWS Transcribe, OpenAI API, Docker, TailwindCSS, etc.

TECHNICAL SKILLS

- ★ **Back-End:** Python, Django, DjangoRestFramework, Flask, FastAPI.
- ★ **Database:** MongoDB, MySQL, PostgreSQL, SQLite
- ★ **Cloud and DevOps:** AWS (S3, EC2, RDS, DynamoDB, SES, Transcribe, Amplify), Docker, CI CD with GitHub Actions, Nginx, PM2, Linux.
- ★ **Front-End:** HTML, CSS, Bootstrap, Tailwind CSS
- ★ **Tools:** Insomnia, Figma, VS Code, Open AI, GitHub, Firebase, Gitlab, Slack, etc.

SOFT SKILLS

I prioritize communication, teamwork, creativity, empathy, accountability, patience, confidence, collaboration, and time management.

Education

FEDERAL UNIVERSITY OF TECHNOLOGY OWERRI

Graduation Year: 2019 ▪ Bachelors in Engineering in Electrical/Electronic Engineering

PROJECTS

AI-BLOG GENERATOR

I built an AI Blog generator using OpenAI and AssemblyAI API. The application takes a YouTube video link and generates a blogpost from it.

- ❖ Developed UI with HTML and TailwindCSS.
- ❖ Developed a JavaScript function that sends the YouTube video link to the backend
- ❖ Developed the Backend with Django
- ❖ Utilized the AssemblyAI API to transcribe the video and OpenAI API to generate a blogpost from the transcript

Tools Used: HTML, TailwindCSS, OpenAI API, Django, AssemblyAI API

LittleLemon API

I designed and developed an API for LittleLemon Restaurant, a Restaurant business based in California USA, working solo from requirement analysis to production deployment.

- ❖ Designed and developed API endpoints using Django and DjangoRestFramework.
- ❖ Implemented Authorization and Authentication using Djoser Library
- ❖ Persisted the Data using MySQL database.
- ❖ Deploy the Database using FLOW and the backend app to AWS EC2.
- ❖ Designed and Developed endpoints for Managers, Users and Delivery Crew

Tools Used: Django, DjangoRestFramework, Djoser, Python

Keep Clean

A software that helps customers easily request a waste disposal service and cleaning services. It is a full Stack web application. I was responsible for developing the frontend and backend solutions.

- ❖ MySQL Database used to store customer details and subscription status, Customers can easily subscribe for a waste service and get their waste disposed properly and promptly
- ❖ The Frontend was developed using HTML and Tailwind CSS and JavaScript
- ❖ The Backend was developed using Django and MySQL database

Tools Used: HTML, TailwindCSS, JavaScript, MySQL, Python, Django, Google and Facebookauth, AWS EC2