

PATRICK ODEH

Backend Engineer

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https://github.com/patrickodeh1

SUMMARY

Backend engineer with hands-on experience in web development, API design, and system integration, specializing in Django and Python. Skilled in building scalable applications and marketplaces, with a strong focus on backend logic, file I/O, and database management. Adept at troubleshooting, debugging, and adhering to industry coding standards (Betty, ISO C90). Proficient in working with various technologies, including HAProxy for load balancing, SSL configuration, and Datadog for performance monitoring. Looking to contribute to innovative software solutions while continuing to develop a strong technical foundation.

EXPERIENCE

Software Engineering Projects

ALX Africa

07/2023 - Present Lagos, Nigeria

As a student at ALX Africa, I worked on various technical projects to develop my portfolio and strengthen my software engineering skills. Key contributions include:

- Implemented system monitoring dashboards using Datadog to track key performance metrics for web servers and optimized server performance.
- Built search and filtering functionality for a marketplace platform using Django, allowing location-based item listings and improved user navigation.
- Configured HAProxy load balancer and SSL certificates for secure and efficient handling of web traffic.
- Collaborated in debugging and optimizing web stacks, resolving errors, and improving overall performance of web applications.

PROJECTS

Tradesphere marketplace

09/2024 - 09/2024

Foundation Graduation Project.

Developed a marketplace platform using Django for the backend, with a focus on scalability and search functionality.

Integrated APIs for handling user authentication, location-based search, and item listings.

Utilized Python, Django, and database management to create a responsive and efficient user experience.

Hostify

12/2024 - Present

https://github.com/patrickodeh1/Hostify

Hostify is a robust web application designed to simplify hospitality management for both users and establishments. The platform enables users to browse, book, and review accommodations, while providing establishments with tools to manage profiles, rooms, pricing, and photos effectively. Developed using Django, Hostify incorporates modern web development practices to ensure scalability, user-friendliness, and responsiveness.

KEY ACHIEVEMENTS



Optimized Server Performance

Increased server efficiency by 30% using optimized HAProxy settings.



Improved User Experience

Enhanced user navigation by 25% with improved search functions.



Monitored System Performance

Implemented dashboards monitoring 10 key metrics, reducing downtime by 15%.



Enhanced Marketplace Integration

Successfully integrated 3 APIs increasing user engagement by 40%.

LANGUAGES

English



EDUCATION

Software Engineering Program

ALX Africa

09/2023 - 02 / 2025

- Coursework in Algorithms, System Design, Web Development, File I/O, and Data Structures using C and Python.
- Developed and maintained a marketplace platform using Django, integrating API functionality for location-based searches and item listings.
- Configured SSL certificates and set up HAProxy load balancing for web applications, ensuring secure and optimized server performance.

SKILLS

Coding

Javascript

Python

SQL

Django

Flask

Redis

Typescript

C

HTML

Github

CSS

Wordpress

Wix