

# Raphael Ezeigwe

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## SUMMARY

Full stack software developer skilled in Python, Django, and React, with a focus on backend development and a solid grasp of software architecture and design patterns. I possess strong problem-solving abilities and a passion for learning new technologies, and I aim to leverage my skills to contribute to a dynamic development team.

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## PROJECTS

### Zippi API

Sixth Alliance Limited • May 2024 - July 2024

- Developed a store management API with Django, Django Rest Framework, and PostgreSQL, enabling order processing and payment via Paystack while managing customers, staff, and administrators with specific access permissions.
- Developed database models for tracking products, orders, and deliveries, enabling users to create and monitor their orders.
- Integrated robust authentication and authorization mechanisms to secure the API and protect sensitive data.
- Optimized the API for scalability and performance to handle high daily data volumes from users and staff operations.

### MedTech API

Sixth Alliance Limited • April 2024 - May 2024

- Implemented functionality to manage patients, staff, and administrators with distinct access permissions for various resources.
- Designed database models to track patients' medical records, samples collected, lab results, prescribed medications, and treatment notes.
- Enabled hospital staff to create, update, and retrieve patient records efficiently through the API.
- Ensured API security by integrating robust authentication and authorization mechanisms to protect sensitive information.
- Optimized the API for scalability and performance to handle high volumes of data generated daily by hospital operations.

### Multi vendor ecommerce Website

Personal Project • [ecommerce-devraphael13.vercel.app/](https://ecommerce-devraphael13.vercel.app/) • March 2024 - April 2024

- Engineered highly-responsive user interfaces using React, optimizing component reusability which accelerated development workflow, enhanced user experience and improved scalability.
- Optimized database synchronization by integrating a robust API that I made, efficiently consuming and processing data, leading to increase in operational efficiency.
- Implemented features like a landing page, list of products, product detail page and user cart.
- Optimized site loading times by caching API calls to enhance user experience.

### Ecommerce Management API

Personal Project • [django-ecommerce-api.vercel.app/](https://django-ecommerce-api.vercel.app/) • April 2022 - April 2024

- Engineered an Ecommerce management API using Django, Django-rest-framework and Postgresql consumed by front-end applications that facilitated real-time inventory tracking, order processing, and customer management across a platform of many products, improving operational efficiency.
- Implemented authentication and authorization using token authentication for secure access to the API resources.
- Optimized API performance by implementing caching mechanisms using Redis to improve efficiency and scalability
- Optimized SQL queries to the database to reduce data fetching times for end users.

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## EXPERIENCE

### Backend Developer

Sixthalliance limited

April 2024 - Present, Lagos, Nigeria

- Designed robust RESTful APIs using Django REST Framework, enhancing performance and scalability, resulting in a significant decrease in API response times.
- Collaborated with front-end developers to integrate user-facing elements with server-side logic, improving the overall user experience.
- Implemented authentication and authorization features using Django rest framework Tokens to ensure secure access to APIs.
- Designed and optimized databases including Mysql and Postgresql, resulting in a significant increase in query performance.

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## EDUCATION

### Bachelor of Science in Microbiology

University of Port Harcourt • Rivers State, Nigeria • 2024 • 3.82

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## SKILLS

Python, Django, Django rest framework, numpy, Javascript, React, HTML, CSS, Tailwindcss, Redis, Postgresql