

BLESSED OSCAR SAM

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Skills

- Python | Django | Django Rest Framework | WebSockets(Django Channels)| Golang| Javascript | Express.js| Jest
- Socket.io|MongoDB | Git | GitHub | PostgreSQL| Pytest | Redis | Celery|Docker | OOP | Firebase|Unittest

Experience

Senior Backend Engineer

[Learnqual, Remote](#)

04/2024-present

- As a Senior Backend Engineer, I am responsible for designing and optimizing microservice endpoints, developing comprehensive endpoint documentation, and refactoring code for efficiency.
- I also create unit tests, Postman documentation, database model tests, and user flow tests for endpoints and WebSockets.
- I perform load tests for endpoints to ensure they are correctly handling requests; optimized endpoints request time from 1.31 seconds to as low as 98 milliseconds
- Additionally, I conduct regular codebase reviews with the lead engineer to ensure proper structure and maintain high code quality before code changes are deployed to the production environment.

Our tech stack comprises a robust combination of:

TypeScript, Express.js, Python, Django Rest Framework, Django, Docker, Unittest, FactoryBoy(for data mocking), Pydantic, ModelViewsets, Pytest, Locust.io, Websockets, Requests, Redis, EC2 instances, S3 buckets, and Postgres database technology.

Backend Engineer

[Luxpay, Remote](#)

10/2023-11/2023

- During my period with them, I was able to debug and restore their service as it was down for months,
- I migrated the project infrastructure from Digital Ocean to Railway and AWS and migrated their database from Digital Ocean to PG Clusters.
- I was also tasked with debugging payment processes, making them more efficient, and setting up their Celery worker system to run parallel with the Railway server on AWS.
- I designed APIs to provide other financial services using fintech services like Redbiller and Bloc.

Technologies used include: Python, Django, Firebase, Caching, Celery, Redis, Railway, EC2, S3 buckets, Redbiller, Bloc, and Postgres.

Backend Engineer

[ShopMore Express\(Remote\)](#)

04/2023-08/2023

- Built the backend for the **Shop More Express** logistics mobile application where riders can be hailed to pick up packages and be monitored as they deliver to various locations around the country.
- Scaled the endpoints to response time as low as 27 milliseconds while optimizing security and performance.

Technologies used include: Python, Django Rest Framework, Caching, Django Channels, Requests, Google Map, Paystack, Redis, Railway, and Postgres.

Backend Engineer

Algoridm Lagos, Nigeria

01/2023 - 05/2023

- Built a **Central Authentication System(CAS)** using **Python, Django Rest Framework**, and other technologies such as **Requests, JWT, Threading, Celery, Redis, Heroku, and Git**. **CAS** will handle user data and authentication for all company projects similar to **Google's** third-party authentication system.
- I designed and developed **Algoridm Food**, a food website that enables users to place food orders and provides community-sourced food recommendations. The website leverages community feedback to provide personalized food suggestions that align with the user's health goals and dietary restrictions.
- I collaborated with a team of developers to create Virtual Mentorship (VMN), an integrated platform for managing students and mentors within an educational institute. The platform allows for virtual classes, exams, and other educational activities. We utilized various technologies, including **Python, Django Rest Framework, JWT, Threading, Celery, Redis, Heroku, Git, and PostgreSQL** to build the platform, ensuring high performance, security, and scalability.
- I was also responsible for performing deployment, conducting code reviews, and maintaining documentation for projects.

Backend Engineer, Intern

KodeHauz Akwa Ibom, Nigeria

10/2022 - 12/2022

- I worked alongside a team of developers to build projects including a blog where publications about the company could be posted. Here, I performed the role of coordinating the team of developers, hosting the project, and managing the git repository.

Technologies used during this period included **Python, Django, Heroku, Git, PostgreSQL**

Backend Engineer, Intern

KodeCamp Remote

03/2022 - 06/2022

- This was an internship role where I got involved in building web applications in a team of Django Developers alongside a team of frontend developers, using Django's MVT(Model View Template) structure for our projects.

Technologies used during this period include **Python, Django, Heroku, Git, PostgreSQL, Payment Gateways, Requests**