

SUMMARY

Experience Backend Engineer with expertise in developing and maintaining high-performance backend systems. I have experience with a variety of programming languages and technologies, including PHP, Laravel, CodeIgniter, NodeJS, Express, Typescript, Spring boot and various databases, including MongoDB, MariaDB, MySQL, and PostgreSQL, I have a strong background in developing and deploying REST APIs, cronjobs, and server administration on Linux platforms, working with popular web servers like Apache and Nginx with expertise in version control systems like Git. Applying TDD principles, I am skilled in implementing robust unit testing practices to ensure the reliability and stability of my code.

SKILLS

PROGRAMMING LANGUAGE(S): PHP, Laravel, CodeIgniter, Symfony, JavaScript, NodeJS, ExpressJS, TypeScript, Java(Spring boot).

DATABASE(S) AND ORM(S): MariaDB, MongoDB, PostgreSQL, Mongoose, MySQL, Firebase, Sequelize, Doctrine, TypeORM, Eloquent.

OTHER(S): Rest API, Microservice Architecture, Redis, Docker, Code Versioning (Git), Server Administration, TDD, HTML, CSS, Apache, AWS(EC2), Digital Ocean, Nginx, Web Sockets, Unit Testing, New Relic, Sentry, MetaBase, JWT, Jenkins, Agile, Scrum.

EMPLOYMENT

Propel GMBH

Nigeria

Backend Engineer (Fs & Ce) Sept 2023 to Current

As a dedicated member of the Propel team, I played a pivotal role in developing and implementing innovative solutions that have significantly enhanced the platform's capabilities. My contributions spanned from technical advancements to strategic initiatives, ultimately fostering sustainable talent pipelines for communities.

- Worked on implementing GDPR requirements to ensure data protection and privacy across the platform.
- Developed and enforced password policy and procedures, improving the security standards for user authentication.
- Implemented translation features for the platform, supporting multiple languages including English, Swahili, Arabic, French, and Portuguese, enabling a diverse audience to access the system in their preferred language.
- Integrated RChilli for CV parsing to automate talent profile creation, reducing manual data entry and increasing efficiency for the onboarding process.
- Integrated Slack into the community access system, allowing communities to receive job listings and relevant updates through Slack channels, improving communication and engagement with community members.
- Improved the Audit Logs system for better clarity and tracking of user actions, which enhanced the analysis of user behavior and Mixpanel conversion metrics.
- Developed the BNPL feature by integrating with partner APIs, allowing users to access financial options, thereby improving user access to services through flexible payment options.
- Developed Notifiers, an in-app notification system used to convey real-time information to users about new features, updates, and community alerts.

NQB8 Group

Nigeria

Backend Engineer · July 2020 to Aug 2023

I have made significant contributions to the development of the Cashpally Gateway system. Through my innovative thinking and expertise, I have designed and implemented gateway logic, authentication mechanisms, and payment authorization systems, ensuring seamless user interactions and easier integration for merchants. Additionally, I have played a key role in developing a secure API key system for external access and have successfully managed the cloud infrastructure for the gateway.

Send24 (NQB8 Group) Laravel, NodeJs, Redis

The Send24 is a tech-driven logistic company, specialized in providing on-demand, same day delivery solutions for businesses and individuals, through a P2P model in mapping Carriers to sender across Nigeria.

- Developed the order request feature with proximity-based carrier(driver) matching using real-time location and GPS service.
- Built the dynamic pricing system algorithm based on package information and mode of transportation.
- Used web socket to transmit real-time order status notifications ensuring low-latency communication between systems.
- Integrated secure payment processing for seamless online payments.

Cashpally Gateway(NQB8 Group) Laravel, NodeJs, Redis

The Cashpally Gateway is an API(microservice) system that empowers merchants to seamlessly integrate Cashpally into their checkout pages. By implementing Cashpally, merchants can offer their customers with Cashpally accounts the ability to shop using their pre-approved credit.

- Built innovative gateway logic ranging from authentication to payment authorization and validation with Laravel, Redis and eloquent.
- Engineered a secured API key system which provides external access to merchant integrating Cashpally gateway in TypeScript and TypeORM.
- Prepared Implementation Documentation using Redocly and Swagger UI.
- Integrated Paystack, Rave(Fluterwave) and Stripe Gateway for seamless online payments.
- Wrote Unit Testing to ensure it meets business requirements. Used JIRA to follow agile development model with scrum.
- Collaborating with the frontend teams in consuming the Rest API.
- Tracking and fixing bugs when found; using New Relic in Tracking and Analysis.

Cashpally Loan App Api (NQB8 Group) Laravel,Express, EC2

This app empowers SMEs to offer consumer financing at the point of sale. With customizable repayment schedules and no collateral required, Cashpally allows income earners to access credit and conveniently pay for goods and services. Available at <https://cashpally.com/> and on the Play Store. developed using Laravel, Paystack, Flutterwave, Redis, and Google Drive.

- Spearheaded the implementation of audit trails and login which improves user activity report and error documentation
- Implemented the mono direct debit for automatic loan repayment collection. Developed the loan application processing module.
- Developed the Checking Factor Algorithm using the OKRA credit history API to evaluate creditworthiness of borrowers in ExpressJs
- Developed Cronjobs to auto process failed transactions. Continually interact with mobile developer in integration of the rest API and providing support when needed.
- Built a key manager for storing, retrieving and invalidating cryptographically signed keys, and secrete of external providers
- Integrated transactional email API as a microservice incorporated with Queue to power email notification feature of the system. Tracking with New Relic for analysis and possible errors.
- Setup Jenkins for automation. Setup the Nginx server on AWS EC2 instance with containerization(docker), setup the PM2 daemon process.

Axocheck Health App (NQB8 Group) Laravel,Express, EC2

A preventive medicine service in Africa, offering a subscription-based telemedicine solution through routine in-home concierge health status checks. With a dedicated emphasis on preventive care, health assurance, reliability, and exceptional customer service.

- Built an SMS and Email system relying on Twillio, Mailgun, AfricasTalking and Termii API.
- Seamlessly deploy and maintain the API on AWS EC2 instance.

Dots Hub (Subsidiary of Dots Institute of Technology, Abeokuta)

Nigeria

PHP Backend Developer · July 2018 to Jun. 2020

Dots Hub, a subsidiary of Dots Institute of Technology, serves as a dynamic hub specializing in crafting customized software solutions for organizations and institutions.

Quicky CBT System (Dots Hub) CodeIgniter, NodeJs

This is a mobile-compatible computer-based test system that provides a convenient and flexible way to administer exams and assessments on mobile devices. Users can take tests from anywhere and at any time, with a seamless user interface and responsive design that adapts to different screen sizes. Secure authentication methods prevent cheating and maintain the integrity of test results.

- Lead the Development team in the design and development of the Edtech system, from development phase to deployment phase. Built the automated grading system for objective assessment.
- Develop a simplex real time communication with web socket to capture student activities using their cameras and microphones.
- Created Rest APIs consumed by mobile developers to fetch student records from an education management system
- Cache concurrent data with Redis to reduce the database workloads. Design, developed websites and data management system for various organizations.

PERSONAL PROJECTS

Afroverified (Joint Project) Laravel, Express, Vue Apr. 2023 to Present

A Canadian Based Event Scheduling and Ticketing Platform, developed using PHP Laravel Framework with a Sanctum Authentication mechanism.

- Implemented the authentication, reservation, and event scheduling modules. Consumed Stripe payment gateway to simplify payment methods for bookings.
- I integrated transactional mail APIs to ensure smooth and timely notification delivery, coupled with queue system to process background jobs
- Designed and Implemented ticket generation system, a microservice written in Express Js to utilize headless browser for ticket generation.
- To ensure functional code logic, I created Feature Tests for each module. Additionally, I prepared comprehensive API documentation using Postman, Swagger UI, and Redocly, while also maintaining and monitoring the cloud infrastructure for both the API and frontend. [Click for Docs.](#)

EDUCATION

AltSchool Africa · Mar. 2022 to Mar. 2023
Diploma Software Engineering 2023
Backend NodeJs

Moshood Abiola Polytechnic Nigeria
Jan. 2020 to Dec. 2021
Higher National Diploma Computer Science
Upper Credit

Moshood Abiola Polytechnic Nigeria
Jan. 2017 to Dec. 2018
Ordinary National Diploma Computer Science
Upper Credit

VOLUNTEER & CONTRIBUTION(S)

Global Hack Week by Major League Hackathon. November 2023.

Hacktoberfest; Global Hack Week by Major League Hackathon. October 2023.

Immer (volunteer; occasional) Backend Engineering, August 2023