

EZENAGU CHINEMEREM

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EXPERIENCE

BACKEND DEVELOPER

AUGUST 2023 – PRESENT

- Actively contributed to open-source projects by implementing new features, fixing critical bugs, improving documentation, and writing unit tests, leading to a 65% increase in code efficiency.
- Designed and implemented a backend interface to manage program data, enhancing operational efficiency by 30%.
- Customized a scalable and reliable console system to manage transactions and user data, processing about 7 million operations per second and improving system efficiency by 25%, addressing the demands of Africa's growing fintech sector.
- Orchestrated robust API solutions that streamlined over 1 million data requests monthly, enhancing operational flow within fintech applications and ensuring high levels of reliability in user transactions.
- Integrated file storage management, guaranteeing 99.9% data persistence and retrieval reliability, crucial for payment integrity.
- Optimized command handling, reducing execution time by 40%, contributing to fast and reliable payment processing.
- Managed a 3-member cross-functional team and coordinated with business partners towards a launch of an e-commerce platform.
- Led the integration of a new feature on-boarding plan, reducing developer setup time from three weeks to one week by optimizing documentation and automating key setup processes.

SKILLS / STACK – Node.js, Rust, MySQL, Python, Typescript, Algorithms, Data structures

PROJECTS

JUNE 2024

Lead Developer – AUDIOALLY

- Engineered an intelligent backend system to enhance user experience and audio personalization for daily activities, including coding sessions.

- Collaborated to build a scalable and efficient AI-Powered Playlist Recommendation Platform, using Python, HTML, CSS and Javascript, which aligns with high-impact digital experiences for millions of users.
- Implemented a caching mechanism for API responses, reducing average load time from 3 seconds to under a second and improving overall user satisfaction with faster data retrieval processes across applications.

APRIL 2024

Backend Developer – AIRBNB CLONE:

- Restructured a backend interface and console for managing program data, enhancing CRUD operations and improving execution speed by 50%.
- Programmed a robust file storage management system, ensuring data persistence, integrity, and fault tolerance, reducing data loss risks by 35%.
- Constructed detailed unit tests for over fifteen core functions within the backend system; increased test coverage quality while identifying previously unnoticed edge cases that prevented potential downtimes during peak application usage.

FEBRUARY 2024

Backend Developer – SIMPLE SHELL CONSOLE REPLICA:

- Developed a custom shell with command execution and process management, improving system interaction efficiency by 80%.
- Spearheaded an advanced command parsing, built-in commands, and robust error handling, reducing execution failures by 35% and enhancing user experience and reliability.
- Gained hands-on experience in system calls, process control, and memory management, optimizing resource utilization, improving execution by 40% and reducing memory overhead.

EDUCATION

AltSchool Africa
Software Engineering Diploma
2022 – 2023

ALX Africa
Software Engineering Diploma
2023 - 2024

BSc in Human Anatomy,
Nnamdi Azikiwe University
2018 – 2023

CORE SKILLS

Python, MySQL, Rust, Node.js, Data
Structures and Algorithm