

Shuaib Yusuf Shuaib

Junior Backend Engineer



SUMMARY

A driven Junior Backend Engineer with a strong foundation in systems architecture. Passionate about designing scalable APIs and ensuring data integrity. Proven ability to translate complex ideas into working systems with a focus on clean and efficient logic.

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Education



Apr 2025 – *present*

Bachelor in Computer Science from Northwest University, Kano (<https://nwu.edu.ng>)

- Artificial Intelligence
- Algorithms and Complexity
- Computer Architecture
- Data Management
- Object Oriented Programming
- Software Development & Problem Solving

Projects



FlintDB (</projects/flintdb/>):

Nov 2025 – *present*

SUMMARY

Designed and engineered a custom flat-file NoSQL engine to master core backend principles. Focused on implementing data atomicity (ACID), TDE encryption, and custom caching to build a robust, reliable system from the ground up.

- Engineered a high-performance, file-based storage system.
- Implemented key database principles including ATOMIC transactions and a custom caching system.
- Developed a custom, transparent data encryption layer.

Skills



Programming Languages : ★★☆☆

Python Java (Learning) PHP

JavaScript

Frameworks & Libraries : ★☆☆☆

FastAPI WordPress

Databases & APIs : ★☆☆☆

PostgreSQL SQL RESTful APIs Flat-file

JSON

DevOps & Tools : ★★☆☆

Git GitHub Bash

Web Technologies : ★★☆☆

HTML5 CSS3 JavaScript (ES6+)

Languages



English : ★★☆☆

Hausa : ★★☆☆

Interests



Reading :

The Life Changer Magana Jari Ce

BoidCMS (/projects/boidcms/):

Jul 2022 – *present*

SUMMARY

Developed a full-featured, extensible CMS platform. Key contributions include engineering a CRUD REST API plugin and a dependency-resolving module distribution system, demonstrating advanced skills in API architecture and systems governance.

- Engineered a custom CRUD REST API plugin covering site configuration and content.
- Developed a sophisticated dependency-resolving distribution system that retrieves packages via cURL and parses complex JSON metadata for package installation.
- Designed a submission process requiring PRs and code review for all community packages, demonstrating mastery of version control workflows and code governance.
- Built a web-based CRON task scheduler plugin and integrated security features like CSRF protection and clean URLs.

Export Assist (/projects/export-assist/):

Jan 2021 – Nov 2021

SUMMARY

Built a WordPress plugin that solves complex content portability by developing a robust data transformation engine to translate WordPress XML into a Blogger-compatible format. Showcases strong competency in external platform integration and data schema translation.

- Developed a robust system to parse and transform the complex XML/WXR format of WordPress into the required Blogger XML structure.
- Solved a critical user need by successfully translating data across two distinct platform ecosystems (WordPress and Blogger).
- Built the plugin using WordPress's internal hooks and APIs, showcasing proficiency in working with large, established external codebases.