Basil Dayigil

Software Engineer

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Professional Summary

Proficient full-stack software engineer with 4+ years of experience building scalable applications across multiple frameworks frontend and backend systems. I have contributed to major projects at NNC Communications, Bluehouse Technologies, Consolidated Energies,Scousity, and HavenLynk ranging from QR-code registration platforms and e-commerce systems to multilevel marketing and referral systems, tax-collection platforms, and social media backend services. I specialize in JavaScript/TypeScript, Node.js, NestJS, React, Next.js, Docker, microservices, and database systems including SQL and Nosql systems. I have improved system performance by over 40% through architecture refinements, enforced comprehensive testing (unit, e2e, integration), and collaborated effectively with cross-functional teams. Known for strong problem-solving, leadership, and reliable delivery, I am passionate about building efficient, maintainable, and impactful software solutions that solve real-world problems and enhance user experience.

SKILLS

- **Languages:** Javascript, Typescript, Python.
- **Frameworks/Libraries:** React, NextJS, Sveltekit, Nodejs, NestJS, Express, Tailwind, Bootstrap, ChakraUI,
- **Tools**: Git, Github, Docker, Linux, Slack.
- **Databases:** MongoDb, MySql, Postgresql, FireBase
- **Concepts:** OOP, Functional Programming, Rest APIs, GraphQL APIs, Microservices, Containerization, CI/CD, Testing,

Education

Federal University of technology Minna   Nigeria
Bachelor of Technology Computer Science   2019-2025

Experience

Frontend Developer   Jos Nigeria
NNC Communications   May 2021 - September
· Started as an intern of frontend development, built responsive interfaces for both web   2022
and mobile screens.
· Advanced to Junior frontend developer, integrated faster consumption and rendering for APIs from the server side and also reducing application memory consumption.

Backend Developer   Nigeria
Bluehouse Technologies   June2024- January 2025
· Started as an intern for backend engineering, collaborated with the senior backend engineer to build server side applications for several clients using multiple frameworks of backend engineering. .
· Built the backend service for the registration platform for the JosTechFest 2024, which had the QRcode scan features for easy identification
· Joined the development team for the development of MARB stores an ecommerce platform, implemented role based access on the whole system.
· Advanced to the Junior Backend Engineer, and collaborated with the team to handle several projects by modifying the microservice architecture which led to over 40% improved performance.
. Worked on a MultilevelMarketing referral system, for a health and wellbeing platform, which consists of incentives based on levels, allowing users signup based on referrals, and allocation of referral bonuses, withdrawal of incentives.
. Wrote and enforced writing of unit, e2e, and integration tests to ensure software quality, and detect bugs right in development.

FullStack Developer   Nigeria
 Consolidated energies   January 2025 - Present
· Worked as a team member with a team size of over 5 and on an electricity and data vending platform cellpay.ng.

· Revamped the architecture of the product 'cellpay' from nodejs to nestjs in order to promote

the maintainability and also enhance typescript support for scalability.

· Worked with the development team and developed a tax collection platform for the Abuja Municipal Area Council AMAC to digitalize the tax collection process. Worked as the Frontend engineer to integrate endpoints from the server side, and also with the

Backend team, to enforce role-based access,various user permissions based on the roles,

and also the functions they'll be performing. Generation and verification of demand notices

from the technical partners to the task payers.

· Worked as a fullstack developer to create the website for Kano state ministry of housing.

Backend Developer (Contract)
Scoutsity

· Worked as a team member developing the server side of the social media platform,

improving system performance by breaking the data load from the database.

· Performed various roles, such as implementing the whole gists (posts). section with the various interactions on the gist(post),
· Used Docker for containerization and enhancing system scalability.

Fullstack Developer (Contract)
Havenlynk
· Developed a staff platform that will be used to handle the staff operations on the main platform.
· Integrated the staff platform with the main system, to manage the main platform and control activities such as salary payment, handling of reports, monitoring user account activities.
· Handled virtual creation of staff Id cards, with QR codes that could be used for verification purposes and getting details of the staff..
· Implemented RBAC features on the platform for different staff roles.

Personal Projects

QubeChat   https://github.com/Vasakee/QUBECHAT-BE,
(ongoing 2025)
- Designed and built a full-stack AI study platform enabling users to upload PDFs and interact with course materials via natural language chat, leveraging Retrieval-Augmented Generation (RAG) principles for accurate, context-aware responses.
- Integrated Groq API with large language models (Llama-3.3-70B) for real-time chat, including streaming responses and system prompts with document context for educational guidance.
- Implemented secure user authentication (JWT + Passport), course management, multi-file PDF uploads (Multer), text extraction (pdf-parse), and MongoDB storage with Mongoose schemas.
- Developed AI-generated flashcards using structured Groq prompts to create front/back cards with tags, stored per course for spaced repetition review.
- Built group study features, including shared courses, collaborative chat, and @QUBE mentions to trigger AI responses visible to all group members.
- Engineered robust backend with NestJS (TypeScript), modular architecture (controllers, services, modules), Swagger API documentation, and error handling.
- Technologies: NestJS, MongoDB/Mongoose, Groq SDK, Next.js, TypeScript, Tailwind CSS, React Query, Zustand, Socket.IO, Node.js, JWT Auth, Multer, pdf-parse.

Awards

· Google Developer Students Club GDSC Futminna : Best performing core team member 2022/23 session
· Google Developer Students Club GDSC FUTMINA: Hackathon winners 2022/23 session (Voteazy, an online voting system for the Nigerian electoral system)

Languages

English(Native), Hausa(Fluent), Pan(Medium)