Toyyib Abdussalam A.

Software Engineer | Full Stack Developer (Back-end Focused)

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Professional Summary

Results-driven Software Engineer with 4 years of hands-on experience in building and maintaining scalable, secure, and high-performing web applications. Proven expertise in back-end development using Python (Django), JavaScript (Node.js), and SQL/NoSQL databases. Adept at designing RESTful APIs, integrating cloud platforms, and working in Agile environments. Passionate about clean code, automation, and delivering impactful software solutions.

Technical Skills

Languages: JavaScript (ES6+), Python, SQL
- Front-End: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap
- Back-End: Django, Node.js (Express), RESTful API Development
- Databases: PostgreSQL, MySQL, SQLite, MongoDB
- DevOps & Tools: Git, GitHub, Docker, CI/CD, Heroku, Vercel, Render
- Cloud & Hosting: AWS, Azure, MongoDB Atlas
- Testing & Debugging: Postman, Chrome DevTools
- Methodologies: Agile, SCRUM, TDD (basic)

Professional Experience

Backend Engineer
To Go Mobility – Lagos, Nigeria | *Aug 2024 – Present*

- Designed, developed, and maintained scalable backend architectures using Django, PostgreSQL, and Docker, improving deployment consistency and system reliability.
- Increased database performance by 60% through advanced schema optimization, index tuning, and query refactoring.
- Built and deployed over 50+ RESTful APIs and WebSocket endpoints to support real-time communication and seamless integration with web and mobile platforms.
- Implemented asynchronous task processing using Celery with Redis, enhancing performance and ensuring background job reliability for tasks like notifications and data synchronization.
- Integrated Paystack payment gateway to enable secure and seamless financial transactions across the platform.
- Strengthened backend security by implementing token‑based authentication (JWT) and comprehensive input validation, reducing exposure to OWASP vulnerabilities.
- Actively participated in Agile/Scrum workflows, collaborating with frontend developers, QA engineers, and product managers to deliver features ahead of deadlines.

Backend Engineer

FarmPady – [Ibadan, Nigeria] | *March 2025 – Present*

- Designed and implemented a **chat management system** enabling authenticated users to send **text, voice notes, documents, and videos** to themselves via **WebSocket** in real-time.
- Utilized **Django REST Framework (DRF)** to build secure, scalable APIs for user authentication, message storage, and media handling.
- Integrated **Celery** with Redis for asynchronous processing of media uploads and background tasks, improving system performance and responsiveness.
- Deployed microservices using **Docker**, ensuring consistent development and production environments.
- Handled real-time file streaming and message delivery over **WebSocket channels**, maintaining low-latency communication.
- Implemented **Paystack** integration for managing subscription-based access and user billing logic.
- Enforced JWT-based authentication, input sanitization, and permission classes to ensure robust system security.
- Collaborated with frontend teams to align API design with UI needs, following Agile workflows and CI/CD best practices.

Key Projects

Blogging Platform | Sept 2022 – May 2023

MongoDB, Express.js, React.js, Node.js (MERN Stack)

- Engineered a dynamic blogging system with support for user authentication, content creation, commenting, and engagement.
- Leveraged MongoDB Atlas for high availability and deployed via Render.
- Achieved 100% uptime over 3 months with error logging and monitoring in place.

Bookstore Web App | Feb 2022 – July 2022

React.js, Tailwind CSS, REST API

- Created a searchable bookstore interface with reusable components and asynchronous data fetching.
- Enhanced UX through responsive design and optimized rendering for large data sets.

Paystack Landing Page Clone | Aug 2021 – Dec 2021

HTML, CSS, JavaScript

- Cloned Paystack's landing page with pixel-perfect design using Flexbox and Grid layout.
- Deployed publicly on GitHub Pages and Render for accessibility.

Education & Certifications

B.Eng. Mechanical Engineering

Federal University of Technology, Minna – Second Class Upper (2024)

IBM Full Stack Software Developer – Professional Certificate (2024)

Meta Back-End Developer – Professional Certificate (2024)