

SHAMMAH MAIDA

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 Abuja

PROFESSIONAL SUMMARY

Full-Stack Lead Engineer with deep expertise across the entire software development stack, from crafting responsive frontends to designing scalable backend architectures and distributed systems. Proficient in **React**, **Next.js**, **React Native**, and **Flutter** for building high-performance web and mobile experiences, with strong backend capabilities in **Node.js** and **Golang** for building robust, high-throughput services.

Experienced in architecting and leading complex engineering initiatives including secure **payment infrastructure** and **microservices** architectures that scale reliably under load, with a strong security-first mindset across all layers of the stack.

Adept at containerizing and shipping production-grade applications using **Docker**, with hands-on experience deploying and managing infrastructure on **AWS** using **Terraform** for infrastructure-as-code. Comfortable owning the full lifecycle of a product — from system design and API architecture through to CI/CD pipelines and production observability.

SKILLS

Dart

Docker

Flutter

NextJs

React

JavaScript

OOP

WordPress

MySQL

Secure coding

API security

RESTful API

Version Control

Node

TypeScript

React Native

GoLang

EXPERIENCE

- Led the frontend vision and UI/UX architecture for an insurance-focused fintech platform, aligning product strategy with intuitive user experiences and scalable interface design.
- Architected and deployed responsive web and mobile interfaces using React and React Native, enabling insurance premium payments, user onboarding, wallet funding, and policy management across both web and mobile devices.
- Designed real-time UI state management systems using Redux and Context API, handling high-concurrency user flows with optimistic updates, secure session persistence, and seamless error recovery.
- Engineered end-to-end transaction interfaces including payment validation flows, escrow status dashboards, and reconciliation views to deliver financial clarity and a reliable user experience.
- Implemented secure recurring card payment UI flows, ensuring PCI-DSS compliant form handling, encrypted input management, and smooth automated subscription billing experiences.
- Built and maintained reusable component libraries and integrated RESTful APIs for transaction orchestration, payment gateway interactions, and seamless third-party service connectivity.

Ava, December 2025–Present

- Led the frontend development of Ava's marketing website and admin dashboard, delivering polished, responsive interfaces using React and Next.js.
- Architected and built the customer-facing website with a focus on performance, SEO optimization, and seamless user experience across all devices.
- Developed and maintained the internal admin dashboard, implementing intuitive data views, user management interfaces, and real-time UI state management using React and Context API.
- Built and maintained reusable component libraries to ensure design consistency, accelerate development velocity, and streamline collaboration across the engineering team.

SENIOR BACKEND ENGINEER, Remote

Gear up, February 2024–May 2025

- Architected and maintained a production-grade Stellar blockchain wallet with secure key management and transaction lifecycle orchestration.
- Designed escrow payment pipelines with Redis-backed job processing for real-time transaction validation.
- Implemented secure cryptographic authentication mechanisms (JWT, OAuth2, AES-256).
- Built scalable microservices in Node.js handling high-volume financial transactions
- Integrated third-party APIs and blockchain **RPC** services to ensure reliable and secure financial flows.
- Built scalable TypeScript/Node.js microservices supporting real-time transaction monitoring and reconciliation.

SENIOR FRONTEND ENGINEER, Charlotte , NC

My Talim, September 2024–May 2025

- Designed, developed, tested, and deployed high-quality frontend applications for web and mobile platforms utilizing Agile methodology. Designed the system architecture for a Learning Management System (LMS) and grading module.
- Designed the frontend architecture for a Learning Management System (LMS) and grading module, ensuring a seamless and intuitive user experience. Collaborated with stakeholders to identify requirements and develop user stories for new features or enhancements.
- Developed the marketing website and student-facing dashboard using Next.js, ensuring fast load times, SEO optimization, and responsive design across all devices.
- Implemented Micro Frontend architectural patterns to enhance application modularity, scalability, and independent deployment of UI components.
- Identified areas of improvement within the existing UI architecture and proposed suitable frontend solutions to enhance performance and maintainability.

BACK END DEVELOPER, Abuja

Chopwell.ng, November 2022–August 2024

- Engaged with product managers and stakeholders to define technical requirements and develop roadmaps delivered at Chopwell.
- Integrated sophisticated coupon system, elevating user engagement and satisfaction.
- Optimized database interactions, enhancing system performance, particularly in Java-based applications using MySQL databases.
- Handled 5 simultaneous microservices projects using AWS technology stack.
- Increased data retrieval speed by 40% by optimizing backend algorithms.
- Enhanced data encryption protocols, achieving a 90% increase in data security by integrating advanced cryptographic algorithms.

BACKEND ENGINEER(PART-TIME), Abuja, FCT

Orion Industries, February 2024–July 2024

- Led a team in the development of a revolutionary 3D modeling application designed for factory environments, utilizing Amazon EC2 with GPU instances.
- Demonstrated adeptness in deploying cloud-based solutions and leveraging AWS services like S3.
- Implemented serverless architecture using AWS Lambda functions, reducing operational costs by 30%.
- Enhanced data security protocols, resulting in a 50% reduction in vulnerability incidents by implementing OWASP standards.
- Reduced system downtime by 70% by automating server maintenance with C++ and AWS technologies.
- Focused on immersive learning and cloud-based solutions

BACKEND DEVELOPER, Remote

Sabi, October 2022–September 2023Ensured secure data transfer to protect sensitive information.

- Integrated third-party APIs into existing systems, expanding feature sets.
- Collaborated as part of an Agile development team, supporting rapid iteration and continuous delivery.
- Develops role-based access control (RBAC) and multi-factor authentication (MFA) for user security.
- Containerized applications using Docker & Kubernetes, ensuring scalability and fault tolerance.

SOFTWARE ENGINEERING TRAINEE, Abuja

alx_africa, January 2021–December 2021

- Acquired a strong foundation in Javascript, SQL database administration, and Express REST Framework.
- Participated in a year-long intensive apprenticeship, gaining proficiency in Functional Programming, Data Structures, and the SDLC.
- Improved coding practices by focusing on Object-Oriented Programming (OOP) and code optimization techniques.
- Worked on real-world software projects, contributing to both front-end and back-end development using JavaScript
- Intensive training provider for software engineers, based in Abuja, Nigeria

EDUCATION

BACHELOR OF SCIENCE (B.S.) IN COMPUTER SCIENCE, Ogun State

Bells University of technology Ota, 2020

CERTIFICATIONS

- Network And Telecommunication Workshop Brekete Academy 2019.

WEBSITE, PORTFOLIO AND PROFILES

<https://www.linkedin.com/in/shammah-maida123/>

<https://shammahs-portfolio.vercel.app/>

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