MUSA UMARU

Full-Stack Software Engineer | AI-Integrated Applications

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 3+ years of experience designing, building, deploying, and maintaining production-ready web applications across fintech, AI, and enterprise business systems. Skilled in building scalable frontend applications, secure backend services, RESTful APIs, and modern database solutions using React, Next.js, TypeScript, Node.js, NestJS, Python, PostgreSQL, MongoDB, and Prisma.

At CREASTECH, contributes to XPay, a production fintech platform, implementing features across multiple business modules, integrating 15+ REST APIs, and supporting onboarding workflows for 1,000+ users. Independently designed, developed, deployed, and documented an internal Leave Management System that is actively used by employees and HR.

Passionate about building software that solves real business problems, writing clean and maintainable code, and delivering complete solutions — from architecture and development to deployment, documentation, and user adoption.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Web Design

Backend: Node.js, Express.js, NestJS, REST API Development, JWT Authentication, Role-Based Access Control

Databases: PostgreSQL, MongoDB, MySQL, Prisma ORM, Supabase

AI: OpenAI API Integration, Prompt Engineering, LLM Integration, AI Workflow Design, Multi-Agent Systems

DevOps & Deployment: Ubuntu Linux, Docker, Docker Compose, Nginx, Vercel, Firebase

Tools: Git, GitHub, Postman, VS Code, Figma

PROFESSIONAL EXPERIENCE

Software Engineer (NYSC) — CREASTECH | *2025 – Present | Lagos, Nigeria*

Develop production-ready software solutions for fintech and enterprise applications while collaborating with designers, backend engineers, QA teams, and business stakeholders.

- Develop and maintain production features for XPay, a fintech platform providing digital payment and business management solutions.
- Built and enhanced functionality across the Parent, Store, Kids, Agent, School, and Admin dashboards, ensuring a consistent and responsive user experience.
- Integrated 15+ REST APIs supporting authentication, onboarding, payments, wallet management, user administration, notifications, and reporting.
- Built reusable React and TypeScript components that improved maintainability and accelerated feature delivery.
- Contributed to onboarding workflows supporting 1,000+ users.
- Designed and developed a complete Leave Management System from the ground up using NestJS, React, TypeScript, Prisma, and PostgreSQL, enabling employees to submit leave requests digitally while HR reviews, approves, and manages leave records through a centralized platform.
- Implemented secure authentication, role-based access control, leave policies, approval workflows, and automated leave balance calculations.
- Deployed the Leave Management System to the company's production server using Ubuntu Linux, Docker, Docker Compose, and Nginx, gaining hands-on experience with Linux server administration, containerized deployments, reverse proxy configuration, and production environment management.
- Configured PostgreSQL, environment variables, SSL, and deployment pipelines to support a stable production environment.
- Delivered hands-on training to the HR department and authored comprehensive technical documentation covering system architecture, installation, deployment, configuration, business rules, and maintenance procedures.
- Collaborated in agile development processes, participating in sprint planning, code reviews, debugging, testing, and production deployments.

Software Engineering Intern — Web3Bridge | *July 2022 – October 2022 | Remote*

- Built responsive web applications using React, JavaScript, HTML, CSS, and Tailwind CSS.
- Collaborated with cross-functional teams using Git-based development workflows.
- Participated in feature development, testing, debugging, and UI improvements in an agile software development environment.

SELECTED PROJECTS

XPay — Digital Payments & Financial Services Platform

Live: https://app.xpay.ng/login | React • TypeScript • REST APIs • Tailwind CSS

- Developed production-ready features across the Parent, Store, Kids, Agent, School, and Admin dashboards.
- Integrated 15+ REST APIs supporting authentication, onboarding, payments, wallet management, notifications, reporting, and user administration.
- Built reusable React and TypeScript components that improved maintainability and development speed.
- Diagnosed and resolved production issues while participating in testing, debugging, and deployments; supported onboarding for 1,000+ users.

Leave Management System — Private Enterprise Application

React • TypeScript • NestJS • Prisma • PostgreSQL • Docker • Ubuntu • Nginx

- Designed and implemented the complete application architecture from frontend to backend.
- Built HR, Admin, and Employee dashboards with role-based access control, configurable leave policies, approval workflows, and automated working-day calculations.
- Designed PostgreSQL database schemas using Prisma ORM and deployed the application on the company's Ubuntu server using Docker, Docker Compose, and Nginx.
- Wrote comprehensive technical documentation and conducted HR training, driving successful adoption across the organization.

Olubadan of Ibadan — Enterprise Content Management Platform

Live: https://www.olubadanofibadan.com/ | Next.js • React • TypeScript • PostgreSQL

- Built the official digital platform for the Olubadan of Ibadan from scratch, transforming it into a modern enterprise content management system with administrative modules for palace news, announcements, and historical records.
- Designed scalable database architecture supporting 2,000+ registered chiefs; optimized SEO, accessibility, performance, and responsive design.

Agent Town — AI Multi-Agent Platform

Live: https://agent-town-kappa.vercel.app/ | Next.js • React • TypeScript

- Developed responsive frontend interfaces and integrated AI-powered workflows supporting intelligent agent interactions.
- Built reusable component architecture focused on rapid prototyping and a modern user experience.

Orkestra — Enterprise Autonomous AI Operating System for Media Production

GitHub: github.com/musa108/orkestra | Next.js 14 • NestJS • TypeScript • PostgreSQL/Prisma • ClickHouse • Google ADK/Gemini 2.0 • FastMCP

- Built a competition-grade, production-ready multi-agent AI orchestration platform for the Google Cloud Summer Blockbuster Hackathon, coordinating six specialized AI agents (Script, Budget, Schedule, Risk, Marketing, Analytics) through a deterministic DAG workflow engine.
- Architected a NestJS backend orchestrator (JWT auth/RBAC, event bus, WebSocket gateway) driving a Next.js 14 frontend with a live topological DAG visualizer and an AI Decision Review Gate enforcing human-in-the-loop authorization.
- Implemented dual-write persistence to PostgreSQL (Prisma) for operational data and ClickHouse OLAP for historical intelligence, grounding the Risk Agent's forecasts in real production telemetry rather than hallucinated estimates.
- Integrated Google ADK/Gemini 2.0 agents with FastMCP tool servers for screenplay analysis, financial modeling, and production scheduling logistics.

LinkStore — Link-in-Bio Storefront for Nigerian Social Media Merchants

GitHub: github.com/musa108/linkstore | Next.js 15 • TypeScript • PostgreSQL/Prisma • Clerk • Paystack • Tailwind CSS

- Built a one-link storefront platform helping Nigerian social media entrepreneurs convert Instagram, WhatsApp, and TikTok followings into a professional commerce experience.
- Integrated Paystack Split Payments for automated payouts, handling merchant settlement and platform commission without manual intervention.
- Implemented Clerk authentication, a mobile-first merchant dashboard (inventory, orders, visit/conversion analytics), and a multi-tenant storefront architecture with adaptive light/dark UI.

EDUCATION

Bachelor of Science (B.Sc.) — Computer Science
Ibrahim Badamasi Babangida University, Lapai