

TIJANI O. SHEU

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Full Stack Software engineer with experience shipping production systems across edtech, fintech, AI, and consumer platforms for teams in the UK, Canada, and Nigeria. Built payment infrastructures, real-time data pipelines, and LLM-integrated products serving thousands of users. Community leader with experience leading Developer Ecosystems (GDGoC LASU, LASU Tech Society, NACOS LASU, Data Science Nigeria) and organising events through bootcamps, hackathons and mentorships. Comfortable operating end-to-end: frontend, backend, and system design for scalability.

EDUCATION

Lagos State University, Lagos Nigeria

B.Sc., Computer Science Major (CGPA: 4.25 / 5.0), Data Analysis (Minor + Entrepreneurship)

Holberton School x ALX Africa, Remote – USA

Diploma, Software Engineering (graded 85.0/100)

KEY ACHIEVEMENTS

- Delivered a fully redesigned, investor-ready product for Wealthbeat across web and mobile, contributing directly to the company's seed funding round narrative and go-to-market readiness
- Designed and shipped two AI-powered products: *Rocket*, helps cut trading decision time using platform-driven data, and *ZORA*, provides personalized insights for thousands of users through a Work-Study-PR path
- Integrated Stripe payment rails into global ticketing platforms with fault-tolerant, idempotent transaction design (+25% checkout conversion); Real-time financial pipelines with query memoization and indexing, accelerating data retrieval
- Served as President of LASU Tech Society (LTS) 25/26; Grew and led the Google Developer Group on Campus LASU to 2,500+ members; mentored 300+ students; Led LASU TechX 4.0 as a Lead Organiser, and contributed to 3.0 as a Tech Lead; Co-organised DevFest Lagos '23 and '24 - biggest Tech gathering for developers in Lagos with 2,000+ attendees
- Maintained a 4.25/5.0 CGPA while holding multiple engineering/design contracts, and leadership roles

SKILLS/TECHNOLOGIES

Languages: JavaScript (ES6+), Python, SQL; **Frontend:** React.js, Next.js, TailwindCSS, HTML/CSS; **Backend:** Node.js, Python/Flask, ETL Pipelines, WebSockets, REST API Design; **Databases:** PostgreSQL, MongoDB, DynamoDB, MySQL, Redis; **Cloud & DevOps:** AWS (EC2, DynamoDB, S3), Docker, CI/CD, Linux, Nginx; **AI/ML:** LLM API Integration, MCP, Agents, Model Inference Pipelines, TensorFlow, Computer Vision; **Practices:** Agile/Scrum, System Design, Code Review, Test-Driven Development (TDD); **Design:** Figma, Design Systems, Component Architecture, Interaction Design

WORK EXPERIENCE

Software/Design Engineer - [Wealthbeat](#)

Feb 2026 – May 2026

Remote Contract (Toronto, Canada)

- Led end-to-end design system architecture (tokens, assets, motion, component composition) built to WCAG accessibility guidelines, adopted across the product's web and mobile surfaces.
- Partnering with founders and engineering team leads in investor and product-feasibility meetings, aligning product requirements with technical and design constraints ahead of the company's seed funding round.

Software Engineer - [Orion Softwares](#)

Apr 2025 – Dec 2025

Remote (London, UK)

- Built and maintained the Next.js frontend and Express.js backend for Orion internal inventory management system, restructuring API and database queries to reduce data-intensive retrieval latency for partners.
- Integrated Stripe into the platform's high-traffic ticketing surface using idempotent transaction design, improving checkout conversion by 25% across 10,000+ monthly active organisers.
- Worked across a team of ML engineers and QA Engineers to plan, build, test and integrate a recommender model through an architected machine learning pipeline.

Software Engineer - [Actualyz AI](#)

June 2024 – Feb 2025

Remote (Ontario, Canada)

- Engineered enterprise analytics dashboards for B2B clients, reducing data retrieval time to eliminate manual reporting.

- Built real-time financial data pipelines using optimized query search and memoization to reduce response time.
- Secured applications with RBAC, JWT, and OAuth 2.0, following strict financial data privacy regulations for compliance.
- Delivered a mobile-first SaaS platform for 2,500+ MAU across Canada and the U.S., improving cross-device session by 30%.

Software Engineering Intern - [ALX Africa](#)

Feb 2023 – Jul 2024

Remote (Kigali, Rwanda)

- Designed and deployed a full-stack Airbnb clone using the MERN stack (MongoDB, ExpressJs, ReactJs and Nodejs); Built authentication, booking and live search for 5000 demo users.
- Containerized the platform using Docker and integrated automated CI/CD to reduce deployment failures.
- Joined peer programming sessions using a buddy system orchestrated by ALX for structured code reviews.

Frontend Developer - [ARTSLAB Studio Gallery](#)

Jun 2021 – Dec 2022

Lagos, Nigeria

- Translated Figma designs into React.js templates with cross-browser compatibility; guided design handoff time.
- Optimized webpages load time using lazy-loading for data heavy pages and skeletons for loading states that fits into the component for Large Content Paint (LCP) performance.
- Enforced breaking points across different devices for responsiveness; cut bounce rates by 25% for mobile-first users.

PROJECTS

Learnn - [Link](#)

Global tutoring marketplace connecting families across 15+ countries in 50+ languages.

- Built a dual-role tutor/learner platform with live video conferencing ([Daily.co](#) WebRTC with waiting room, lobby, and session countdown), in-call chat with messaging features (pin, reply), file sharing over webhooks.
- Designed an automated escrow payment pipeline to remove cross-border billing friction, and dependency on fragmented third-party tools.

GetCracked - [Link](#)

Browser-native CS platform with 5 language interpreters compiled to client-side WebAssembly, true spatial physics visualizers across different data structures, and an interactive distributed topology canvas with live traffic packet animation.

- Compiled 5 language runtimes to WebAssembly inside Web Workers for in browser code execution.
- Built a spatial physics visualizer for data structures and an interactive distributed-systems topology canvas simulating live microservice traffic.

LEADERSHIP AND EXTRACURRICULARS

President, LASU Tech Society (25/26') - Lead umbrella tech society across all LASU tech communities; organize webinars, events and bootcamps spanning design, data, AI/ML, Web3 and Cybersecurity

Coordinator, AI/Robotics & Automation Lab - LASU Unipod, Innovation Hub (Jan 2026 – Present)

Deployed a Hub Management system for resource allocation, seat booking, idea flight and onboarding for innovators.

Lead Organiser (24/25')/Technical Lead (23/24') - Google Developer Groups on Campus (GDGoC) LASU

Coordinated 8+ events/workshops for 2,500+ members; mentored 150+ students in design and development; partnered with Google Developer Experts to deliver AI, Cloud, and Web3 sessions; planned, organized and hosted LASU TechX 4.0.

Others: Campus Ambassador, Cowrywise; **Co-organizer**, DevFest Lagos 23' & 24'; **Co-Lead**, MongoDB User Group Lagos (23–25'); **Chairman**, NACOS LASU Tech Committee; **Volunteering Member**, Data Science Nigeria; **Mentor & Judge**, Zindi Africa Hackathon; **Top 5 finalist**, Cavista Hackathon (AI in Healthcare); **Open Source Contributor**, TanStack Query & Chakra UI (Hacktoberfest)

HONORS & CERTIFICATIONS

Zindi Africa x Microsoft Azure AI Grant (2023); Google Premium Developer Grant; Udacity x AWS Voucher Grant
Google UX Design Certification (2023); Meta Frontend Certification (*Coursera* 2024); Meta Backend Certification (2025)