

AJAO OLUWASEUN

Software Engineer | Computer Science Student | AI & Web3 Builder

Lagos, Nigeria | Ajayholuwaseun@gmail.com | +234-807-426-3625

[GitHub](#) • [Portfolio](#) • [LinkedIn](#)

PROFILE

Computer Science student and software engineer with 3+ years of experience building production web applications, developer infrastructure, Web3 dApps, and AI-assisted product workflows. Experienced with React, Next.js, TypeScript, Node.js, PostgreSQL, and blockchain technologies. Hackathon-winning builder with hands-on experience taking technical products from idea to working implementation, with a strong interest in AI, developer tools, and campus technology communities.

CORE SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Rust

Frontend: React, Next.js, Vite, Tailwind CSS, Zustand

Backend & Data: Node.js, Express, PostgreSQL, Prisma, WebSockets, REST APIs

Web3: Nervos CKB, CCC Wallet Connector, CKB SDKs, WalletConnect, RPC/Indexer, Molecule encoding

Product & Systems: AI-assisted workflows, performance optimization, real-time systems, secure payments, API design

Tools: Git, Vercel, Figma, JWT authentication

SELECTED PROJECTS

PactAgent — Developer Infrastructure for Agreement & Milestone Workflows

Current

- Building app-scoped infrastructure for agreements, milestones, proofs, reviews, disputes, escrows, events, and webhooks through a versioned API.
- Implemented secure API keys, RBAC, audit logs, rate limiting, webhook signing, real-time updates, and AI-assisted milestone validation workflows.
- Evolved the system from a hackathon-winning milestone-based payment prototype built around Nervos CKB into reusable developer infrastructure.

InheritVault — Time-Locked On-Chain Inheritance dApp (CKB)

Project

- Built a decentralized vault system that locks funds on-chain for future beneficiaries using time-based conditions.
- Developed Rust smart contracts and integrated the frontend with CKB RPC/indexer, Molecule encoding, vault creation, verification, and claims.
- Built 15+ smart-contract tests and frontend validation suites while solving indexer reliability and secure claim-execution challenges.

Hotel Management System — Full-Stack

Project

- Built and deployed a production system used by 500+ users for bookings and administration.
- Implemented authentication, Flutterwave payments, and a real-time staff dashboard using React, Node.js, and PostgreSQL.

PROFESSIONAL EXPERIENCE

Freelance Frontend Developer

Jan 2025 - Present

- Delivered 4 paid client projects across hospitality and fintech-related use cases, focusing on performance, SEO, and UI/UX.
- Built production-ready web applications and business sites with responsive interfaces and optimized load performance.

Frontend Developer — Analytica Haven (Remote)

Jan 2025 - Dec 2025

- Led frontend development and deployment of a production web application serving 100+ users.
- Reduced page load time by approximately 35% through code splitting and lazy loading, improving responsiveness and usability.

Frontend Developer — Savetown (Team Project)

2025

- Built the user dashboard for a digital cooperative platform serving 500+ users and collaborated with backend, mobile, and design teams.
- Improved application performance using lazy loading and code splitting.

IT Support — Trinity Financial Services Limited

Feb 2022 - Oct 2025

- Maintained internal systems, supported staff, and troubleshoot software and infrastructure issues.

EDUCATION

Computer Science Undergraduate

Expected Summer 2028

- Current degree program; expected graduation year: 2028.