

OKONKWOU CHECHUKWU HENRY

SENIOR SOFTWARE ENGINEER | AI ENGINEER | BACKEND ENGINEER

CONTACT

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SKILLS

- JavaScript
- React
- React Native
- Expo / Expo Router
- CSS
- HTML
- Firebase
- AsyncStorage
- REST API Integration
- State Management
- Responsive Design
- Git
- Debugging
- MySQL
- Performance & Scalability
- Redis Caching
- RabbitMQ (Message Brokers)
- Background Workers
- Throughput Optimization
- Paystack / Flutterwave Integration
- DeepSeek R1 & OpenRouter API
- Postman
- VS Code

EDUCATION

B.Sc. (Ed) Software Engineering
(In View)

**Nnamdi Azikiwe University,
Awka**

LANGUAGES

English (Fluent)
French (Basic)

PROFILE

Dedicated Software Engineer with over 4 years of experience delivering scalable web, backend, and mobile solutions. Experienced in building fintech, edu-tech, logistics, food, laundry, and social applications, with strong focus on API architecture, performance, reliability, and production-ready mobile experiences. Proven ability to design systems and applications supporting 500+ active users.

Core Skills

- System Architecture: Relational/Dynamic Diagrams & Use-Case Mapping
- Backend Engineering: High-concurrency transaction processing, REST APIs & API optimization
- Mobile Engineering: React Native, Expo, Expo Router, Firebase, local persistence & mobile UI architecture
- Performance Engineering: Reducing latency, improving throughput and optimizing application responsiveness
- Project Management: Agile methodologies, technical roadmap guidance & end-to-end delivery

WORK EXPERIENCE

Lead Full-Stack Engineer | Maximustrust LTD (Fintech) (05/2025 - Present)

- Leading end-to-end development of a scalable fintech application, ensuring high performance, security, and reliability.
- Optimized backend APIs to handle high-volume transactions with zero downtime.
- Established coding and testing standards that reduced bugs by 40% and improved delivery speed by 30%.
- Mentoring junior developers and guiding the technical roadmap for long-term scalability.

Web Developer | FrankpowerTech LTD (02/2025 - Present)

- Engineered the company's main web app and a comprehensive Edu-Tech platform, improving operational efficiency by 35%.
- Delivered full development lifecycle for secure, user-friendly features and course management systems.
- Collaborated with management to streamline client services and internal workflows.

Independent Developer / Systems Architect (Freelance) (11/2024 - Present)

- Enamel Wallet: Developed a high-performance banking system designed for high transactions per second, focusing on withdrawal and deposit concurrency.
- SaveSmart: Built a fintech solution featuring group contributions, automated bill payments, secure wallet integration, and React Native mobile experiences.
- Crypto Trading Platform: Engineered a secure crypto gateway allowing users to deposit and trade cryptocurrency assets, with transaction-focused backend architecture.
- AI-Integrated Apps: Designed and coded full-stack applications leveraging DeepSeek R1 and OpenRouter APIs for automated workflows.

Selected React Native Mobile Applications

- Lovistry — Dating: Built a mobile dating experience with profile discovery, swipe-based interaction, state-driven UI, authentication, and API integration.
- Gerili Laundry — Laundry Service: Developed mobile workflows for service ordering, customer management, order tracking, and offline-aware application behavior.
- SaveSmart — Savings/Fintech: Implemented mobile fintech flows around savings, group contributions, bills, wallet integration, authentication, and transaction-oriented APIs.
- MyRhino Foods — Food/Ordering: Built customer-facing ordering flows, product discovery, cart/order state management, and backend API integration.
- Redrhino Logistics — Logistics: Developed mobile logistics workflows for delivery/order management, status tracking, API communication, and operational user flows.

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CERTIFICATIONS

- Certification in System Architecture: Focus on scalability, performance, and latency.
- Certification in Project Management: Focus on Agile workflows and team leadership.
- AI Implementation Specialist: Advanced integration of LLM APIs for software infrastructures.

TECHNICAL PROFILE

- Frontend & Mobile: JavaScript, React, React Native, Expo, Expo Router, HTML, CSS, responsive UI, state management.
- Backend & APIs: RESTful API design, Node.js ecosystem, API integration, authentication, transaction processing and concurrency.
- Data & Infrastructure: MySQL, Redis caching, RabbitMQ, background workers, throughput optimization and performance engineering.
- Cloud & Delivery: Git-based workflows, API testing with Postman, production-oriented debugging and deployment practices.
- AI Engineering: DeepSeek R1 and OpenRouter API integration for AI-enabled application workflows.

PROJECT IMPACT

- Delivered multiple production-oriented applications across fintech, social/dating, food ordering, laundry services and logistics.
- Combined mobile application development with backend/API engineering to deliver complete end-to-end solutions.
- Designed systems with emphasis on scalability, transaction reliability, latency reduction, maintainability and user experience.