

TOCHUKWU NWANGUMA

Fullstack Engineer

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PROFESSIONAL SUMMARY

FullStack Engineer with over five(5) years of experience building and optimising high-performance applications across the stack. Known for delivering exceptional user experiences, I collaborate seamlessly with cross-functional teams to design, build, test, and maintain robust web applications.

WORK EXPERIENCE

B2beeMatch — Software Engineer | Remote (Global Team) | *December 2023 – September 2024*

- **Optimized Performance:** Migrated core functionalities to a faster, more responsive system using React, Next.js, Redux, and Tailwind CSS, reducing load times by 40% and improving user experience.
- **Global Accessibility:** Deployed next-i18next for multilingual support, increasing international user engagement by 20–35%.
- **Automated Testing Framework:** Developed a testing suite with Cypress and React Testing Library, achieving 80% test coverage.
- **SEO Enhancements:** Boosted site visibility by improving SEO with next-seo and auditing via Screaming Frog.
- **Security Improvements:** Eliminated vulnerabilities (e.g., XSS, CSRF, SQL injection), achieving zero critical issues in security audits.

Fincra — Lead Engineer, Checkout Team | Remote (Lagos, Nigeria) | *April 2023 – December 2023*

- **Team Leadership:** Led a team of 5 engineers, driving a 300% increase in successful transaction processing within three months.
- **Concurrency Optimization:** Implemented transactions and locks to ensure data accuracy and scalability under high-load conditions.
- **Rapid Career Growth:** Promoted twice within a year for exceptional frontend solutions and strong fullstack contributions.

Fincra — Senior Fullstack Engineer | *March 2022 – April 2023*

- **Process Optimization:** Revamped file upload processes, reducing processing time by 200% and improving scalability.
- **Strategic API Integration:** Integrated third-party APIs into a Node.js system, expanding product capabilities and boosting revenue.
- **Fraud Prevention:** Reduced fraud by 23% by implementing identity verification and transaction monitoring tools.

Fincra — Frontend Engineer | *July 2021 – March 2022*

- **Feature Development:** Collaborated with product/design teams to launch user-centric features using Next.js, Tailwind CSS, and Redux, increasing user engagement by 34%.

- **Security Compliance:** Achieved 100% compliance in third-party security audits with no critical vulnerabilities.

CICOServe Payments — Frontend Developer | Remote (Lagos, Nigeria) | *February 2020 – April 2021*

- **Ground-Up Development:** Built a user-friendly, scalable application with React.js, Redux, and SCSS.
- **User Onboarding Optimization:** Improved onboarding flow, reducing time by 48% and increasing agent satisfaction.

Freelance — Junior Frontend Engineer | Lagos, Nigeria | January 2019 – February 2020

- Developed and deployed responsive client applications using JavaScript, React.js, React Router, and Gatsby, ensuring seamless navigation and user-friendly interfaces.
- Crafted dynamic and visually appealing styles with CSS/SCSS, focusing on performance and cross-browser compatibility.
- Built a solid foundation in testing by leveraging frameworks like Jest to enhance code quality and reliability.

PROJECTS

Wealign — Founder/Fullstack Engineer <https://tinyurl.com/wealign>

WeAlign connects individuals with collaborators skilled in building and launching products.

- **Collaborator Matching:** Designed and built a platform connecting users with collaborators for product development.
- **Frontend Optimization:** Delivered a responsive UI with TypeScript, React/Next.js, Tanstack Query, and Tailwind CSS.
- **Backend Scalability:** Developed the backend with real-time chat functionality with NestJS, PostgreSQL, and TypeORM, ensuring efficient data handling and smooth user experience.

Flymate — Founder/Fullstack Engineer

- **Travel Management:** Created the backend of a travel companion app for trip planning, flight tracking, and travel organization.
- **API Integration:** Built a NestJS backend with PostgreSQL and TypeORM, integrating Amadeus' public API for real-time data.

SKILLS

Technical Skills

JavaScript (ES6+), TypeScript, HTML5, CSS3, React.js, Next.js, Tailwind, CSS-in-JS, Styled-Components, SCSS, Node.js, RESTful APIs, NestJS, Docker, React Testing Library, Jest, Cypress, PostgreSQL, TypeORM, Redis, Git.

Soft Skills

Problem-solving, debugging, analytical skills, collaboration, attention to detail, code quality, ownership, emotional intelligence.

EDUCATION

BSc. Microbiology | University of Nigeria