CHUKWUNONSO EMMANUEL NNALUE

Full-Stack Software Engineer | React, TypeScript, NestJS | AI Integration | 8+ Years Building Scalable Web Applications

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PROFILE SUMMARY

Results-driven Full-Stack Software Engineer with 8+ years of experience designing, developing, and optimizing high-performance web applications across diverse domains. Adept in both frontend and backend development, with deep expertise in React, TypeScript, NestJS, and AI-driven solutions. Known for writing clean, scalable, and maintainable code, and for building intuitive user interfaces with seamless real-time interactions. Committed to engineering solutions that deliver measurable business value, enhance user experience, and align with long-term technical goals.

TECHNICAL SKILLS

- **Frontend:** React, Next.js, Redux, TypeScript, JavaScript, Ant Design, Chart.js
- **Backend & APIs:** Node.js, NestJS, Express.js, REST APIs, WebSockets, BullMQ, Redis
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis
- **Tools & DevOps:** Git, Docker, Swagger, CI/CD, Unit test
- **Performance:** Code Splitting, Lazy Loading, CDN, HTTP/2
- **Other:** WebRTC, PWA, Agile (Scrum), Jest, JWT Authentication

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PROFESSIONAL EXPERIENCE

Mid Software Engineer

MBL Hightech – Kyrenia, Cyprus | Aug 2022 – Present

- Spearheaded the development of CRM modules, including questionnaire builder, file management, and IB reward systems, creating scalable interfaces with robust backend logic.
- Built real-time analytics dashboards using Chart.js and AntDesign Charts, visualizing key metrics such as agent performance, open positions, and user engagement trends.

- Developed WebRTC-based communication features with offline support using IndexedDB to enable seamless browser and mobile calls.
- Reengineered a responsive e-commerce platform using React and NestJS, integrated JWT authentication, and implemented secure, multi-option payments.
- Designed a scalable game management system with multi-currency wallet support, time-based access control, and usage tracking via dashboards.
- Created backend services for automated reporting, payment integrations, and campaign promotions.

Tech Stack: React, TypeScript, Redux, NestJS, PostgreSQL, Chart.js, WebRTC, Ant Design

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Software Engineer

Freelance – Remote | Jan 2020 – Present

- AI-Powered Dashboard: Developed a dynamic data visualization dashboard allowing users to upload JSON/CSV files, generate interactive charts, engage in AI-driven conversations, and receive insights via text-to-speech.
- Email Assistant (SaaS): Designed and launched a scalable, intelligent email management platform leveraging NestJS, TypeScript, Groq's LLM, PostgreSQL, and BullMQ for parsing, analyzing, and classifying emails. Reduced manual email triage and improved workflow efficiency with sentiment detection and custom categorization logic.
- Built full-featured web apps using React, Next.js, Tailwind CSS, and Node.js/Express with MongoDB/PostgreSQL for data persistence.
- Deployed and secured Linux-based production servers on DigitalOcean, overseeing DNS, SSL, and CI/CD pipelines using Git and Bitbucket.
- Integrated third-party plugins including payment gateways, real-time charts, chatbot widgets, and news feeds to enhance user experience.
- Provided hands-on client training and onboarding with 100% satisfaction rate; reduced post-launch support load by 30%.
- Applied Google Analytics and SEO techniques to increase traffic by over 25% and boost visibility.
- Mentored junior developers through a tech community initiative focused on hands-on workshops and code review.

Junior Full Stack Developer

Prolifik Tech – Edo, Nigeria | Mar 2014 – Sep 2019

- Developed and maintained Point-of-Sale (POS) systems integrated with dashboards to manage sales, inventory, and employee performance.
- Designed and deployed network systems (LAN/WLAN) and installed intercom/CCTV systems across commercial and residential properties.
- Provided client training and technical support for new systems, improving adoption and reducing downtime.

PROJECT HIGHLIGHTS

- **CRM Modules:** Questionnaire builder, file management, IB referral system, bonus engine.
- **Email Assistant:** NLP-based automated email classification and sentiment scoring system.
- **Dashboards:** Real-time visualization for game analytics, user behavior, and staff KPIs.
- **WebRTC Communication:** Real-time browser-to-app calling solution with offline handling.
- **E-commerce Platform:** Secure storefront with CRM integration and auto-login via JWT.
- **Gaming Platform:** Configurable games with multi-currency support and advanced analytics.

EDUCATION & CERTIFICATIONS

- **Higher National Diploma, Computer Science** – Federal Polytechnic, Oko | 2015–2017
- **National Diploma, Computer Science** – Federal Polytechnic, Oko | 2012–2014

Certifications:

- ReactJS, TypeScript, NodeJS, NestJS – Udemy / Simplilearn

ADDITIONAL INFORMATION

- Passionate about building intelligent tools and fintech solutions with real-world impact.
- Strong product mindset and ownership attitude.
- Highly adaptable, thrives in startup and remote environments.
- References available upon request.