Chinemelum Ch'uba-Nwene

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[Github Profile](#) | [Portfolio website](#)

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Professional Summary

Highly proficient Frontend Engineer with a strong background in developing high-performance, type-safe web applications using cutting-edge technologies such as React, Next.js and TypeScript. Passionate about creating user-centric interfaces that effectively utilize real-time data, robust state management and scalable architecture. Proven ability to enhance performance, leading measurable improvements to user experience, and consistently driving innovation within agile development teams.

Core Competencies

- **Frontend Technologies:** React, Next.js, Solid, HTML5, CSS3
- **Programming & Type Safety:** TypeScript, JavaScript (ES6+), tRPC, Zod
- **State Management:** Zustand, Tanstack Query (React Query), Redux
- **Real-time Technologies:** WebSocket, Centrifugo, Socket.io
- **Styling & UI:** Tailwind CSS, ShadcnUI, Responsive Design
- **Tooling & Version Control:** Git, VS Code, Postman, Figma, Chrome DevTools
- **Backend & Data Management:** Node.js, Express, MongoDB, Prisma, Firebase
- **Testing & Quality Assurance:** Unit Testing, Jest, React Testing Library

Experience

CVSpan / Frontend Developer
January 2025 - Present (Remote)

Key Responsibilities:

- **Optimized User Experience:** Developed and maintained key features for web applications using **React, Redux, and TypeScript,** resulting in a 15% reduction in average page load times and improved overall responsiveness.
- **Cross-functional Collaboration:** Collaborated closely with product managers, UX/UI designers, and backend engineers to architect and implement scalable frontend solutions aligned with business requirements.
- **Performance Enhancements:** Implemented code optimizations such as code splitting and lazy loading, which contributed to the reduced load times and a reported 10% increase in user satisfaction metrics.
- **Ensured Code Quality:** Conducted and participated in thorough code reviews and adhered to industry best practices to maintain a high standard of code maintainability and scalability.
- **Agile Participation:** Actively participated in agile workflows, contributing to sprint planning, daily

stand-ups, and retrospectives to ensure seamless deployment and rapid iteration cycles.

Hotels.ng /Frontend Developer
September 2024 - December 2024

Key Projects & Achievements:

- **Lumbo** (formerly Remote Bingo)
    - Co-designed and built the real-time multiplayer team-building game interface using **React and Zustand**.
    - Engineered complex **WebSocket integration** using Centrifugo, enabling seamless and low-latency real-time communication for game events and messaging, supporting over 1,000 concurrent users.
    - Implemented end-to-end type safety between the client and server, significantly reducing runtime errors and enhancing data integrity during gameplay.

- **Telex** - Real-time Notification System
    - Developed a robust user interface using React for a system monitoring dashboard, effectively visualizing critical system metrics and performance indicators—this internal tool aimed to improve system observability for the engineering team.
    - Integrated Websocket-based notifications to provide instant alerts for system events, logins, error tracking and application/database performance monitoring, improving incident response times by an average of 5 minutes.
    - Collaborated within a team to develop features for a Slack-like interface, demonstrating adaptability to user feedback and agile development practices.

HNG Tech (Hotels.ng Initiative) / Frontend Developer Intern

July 2024 - AUGUST 2024, (Remote)

Context: A highly competitive internship program by Hotels.ng aimed at identifying and developing top tech talent.
- **Resolve Online Voting Platform:**
    - Selected as one of the top 20 finalists out of over 10,000 interns who started the internship..
    - Spearheaded the initial frontend architecture and technology selection for the Resolve project, collaborating with another frontend teammate to establish a robust foundation utilizing React, Next.js, Typescript, Zustand, Tanstack Query, Tanstack Table, Socket.io, and Tailwind CSS.
    - Individually developed and implemented comprehensive authentication flows, including email/password and Google authentication using Next-Auth, ensuring secure user access to the platform.
    - Engineered the complete frontend experience for the Election Creation flow, enabling administrators to seamlessly set up and configure online elections.
    - Designed and built the feature-rich Election Listings page, empowering users to efficiently view all elections, track their status, apply filters, and perform key actions such as closing elections, deleting them, and copying voting links. The interface was optimized for both desktop (table view) and mobile (card-like interface) responsiveness.

- Actively collaborated within a cross-functional remote and agile team comprising frontend developers, backend developers, testers, designers, DevOps engineers, product managers, and sales and marketing personnel to deliver the Resolve platform.

Education

The Bells University of Technology

B.Eng (Hons.) Mechatronics Engineering │ *September 2012 - July 2017, Ota, Ogun State, Nigeria.*

Graduated with Second Class Honours

Christ the King College

West African Examination Council (WAEC) Certificate | *September 2006 - July 2012, Abuja, F.C.T.*

Achieved 9 O'Level distinctions in WASSCE

Interests
- Robotics & Artificial Intelligence
- Motorsports (Formula 1)
- Automobile Restoration
- Open Source Contributions