

Chiderah Ugo-Eresimadu

Senior Frontend Engineer

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Professional Summary

Results-driven **Senior Frontend Engineer** with 5+ years of experience designing and delivering **scalable, performant, and secure enterprise applications**. Expert in **React, NodeJS and Typescript**. Skilled in **UI testability, accessibility, analytics pipelines, and performance optimization**, with lots of experience collaborating cross-functionally across global teams

Relevant Professional Experience

Build with Assembly (Canada) – Senior Frontend Engineer *Aug 2024 – Present*

- Re-architected frontend delivery using Sitecore CMS and server-side rendering, **cutting TTFB by ~50% and reducing page load times by ~70%**, directly improving reliability and perceived performance on high-traffic pages.
- Led implementation of comprehensive testing strategies (unit, integration, Cypress E2E), **increasing coverage by ~40% and reducing production incidents by ~15%**.
- Mentored junior engineers through code reviews and pairing, **raising code quality and reducing review cycle time by ~25%**.
- Applied AI-assisted tooling across reviews, documentation, and test generation, **improving delivery efficiency and freeing capacity for complex system design**.

Aku Microfinance Bank – Senior Frontend Engineer *Aug 2022 – Aug 2024*

- Designed and scaled a **nationwide agency banking web application** supporting high-value financial transactions with **near-100% uptime**, optimized performance, and strong fault tolerance.
- Delivered organization-wide internal financial tooling, **reducing individual delivery timelines by ~40% and materially improving cross-team execution velocity**.
- Architected **modular payment widgets and financial dashboards** supporting multiple gateways and dynamic merchant configurations, **cutting end-to-end payment flow duration by ~50%** while maintaining PCI-aligned workflows.
- Hardened frontend security across customer-facing financial flows by implementing XSS/CSRF protections and secure authentication patterns, **increasing visibility into malicious activity by ~80% and reducing attack surface**.
- Integrated Strapi CMS with Node.js APIs to enable controlled rollout of hidden and experimental features, **driving ~70% increase in feature adoption without impacting system stability**.
- Implemented analytics pipelines (GA, GTM), SEO improvements, feature flags, and A/B testing, **driving up to 20% gains in product discovery and ~10% increase in user conversion**.

Paycheep Technologies – Frontend Engineer *Sep 2020 – Feb 2022*

- Designed and shipped reusable UI component libraries, **reducing development cycle time and improving UI consistency across products.**
- Delivered a merchant dashboard covering payments, inventory, and storefront customization, **increasing product usage by ~40%.**
- Built an internal admin platform that streamlined operations and **improved data visibility for decision-making.**
- Implemented real-time logistics tracking using Google Maps API, **improving coordination between vendors, riders, and merchants.**

Twinqu Solutions Technologies - Frontend Engineer *Apr 2019 – Sep 2020*

- Designed and built a cross-platform mobile app with Expo (RN) for tracking financial assets
- Integrated mobile app with graphql based API service and financial asset management API for tracking financial assets across financial institutions in Africa

Technical Skills

- **Frontend Development:** React, NextJS, TypeScript, Tailwind CSS, Figma (SPA, SSR, SSG, ISR)
- **Testing:** Jest, React Testing Library, TDD, A/B testing, Vitest, Cypress
- **Build & DevOps:** Vercel, GitHub, CI/CD, Webpack, Vite
- **APIs & Architecture:** REST APIs, Micro-frontends, Clean Architecture, Domain-Driven Design
- **Analytics:** Google Analytics, Sentry, Google Tag Manager
- **Accessibility & Standards:** WCAG 2.1, ARIA, SEO Optimization, Internationalization (i18n)
- **Secure Frontend Architecture:** (XSS, CSRF, OWASP, PCI-aligned flows)

Education

Bachelor of Engineering, Abuja University, 2020