

Joshua Udensi

Staff/Founding Engineer—Product + Platform, Data/AI, Real-Time Systems

Vancouver, BC (Remote-ready) | github.com/thebere | linkedin.com/in/joshuaudensi | me@joshuaudensi.com

SUMMARY

Product-minded engineering lead with 9+ years building and scaling SaaS: shipping 0→1, leading small teams, and hardening systems for reliability. Strong in TypeScript/React, Node.js, Go, Python, and PostgreSQL. Shipped LLM-powered analytics workflows and real-time audio/WebRTC systems. Track record improving uptime (~99.9%), cutting defects (80%+), and driving measurable product growth.

CORE STRENGTHS

- **0→1 execution:** prototype → production, fast iteration with strong engineering fundamentals
- **Technical leadership:** ownership, mentoring, cross-functional alignment, architecture decisions
- **Data & AI:** analytics pipelines, query/DSL design, dashboarding, experimentation
- **Systems:** reliability, CI/CD, event-driven design, performance & observability
- **Platform:** developer experience, environment provisioning, reliability guardrails, internal tooling

TECH STACK

- **Languages:** TypeScript, Go, Python, SQL
- **Frontend:** React/Next.js, Svelte, Vue.js, design systems, Tailwind
- **Backend:** Node.js, PostgreSQL, Redis, MongoDB, CDC (Debezium)
- **AI:** RAG patterns, prompt/DSL design, analytics generation
- **Infra:** AWS (Lambda/ECS/SQS), Terraform, Docker, CI (GitHub Actions/CircleCI)
- **Real-time (selected):** Web Audio API, WebRTC (LiveKit)

EXPERIENCE

OPINIION (via Rentgrata acquisition) — Staff Software Engineer

Remote (UT)/Vancouver, BC | Jul 2025 - Present

- Promoted to Staff Engineer following Rentgrata's acquisition by Opiniion; operating across product, platform, and architecture to support the merged engineering organization.
- Leading the re-architecture of Opiniion + Rentgrata product foundations into a unified platform designed for AI-assisted workflows, clearer domain boundaries, orchestration, and human-in-the-loop operations.
- Redesigned the reward eligibility, processing, and payment pipeline for rewarded residents and prospects, eliminating recurring payout and eligibility bugs for 3+ months.
- Designed and led the progressive migration of resident-facing product surfaces across domains with no downtime, bringing engineering and product alignment to a previously chaotic migration effort.
- Embedded with product teams to provide architectural oversight, unblock delivery, reduce implementation ambiguity, and improve execution quality across cross-functional initiatives.
- Led a zero-downtime brand and domain migration for resident-facing product surfaces, preserving backward compatibility across emails, links, and legacy routes through staged 302→301 redirects.

RENTGRATA (acquired by Opiniion)

Remote (Chicago)/Vancouver, BC

Technical Team Lead | Nov 2023 — Jul 2025

- Led the architecture and launch of Ari and drove 60% growth in dashboard adoption post-launch.
- Redesigned workflows into intuitive single-page UIs, reducing friction for property managers and operators.
- Implemented trunk-based development + containerized CI, reducing production bugs by 85%, sustaining 99.9% uptime, and reducing code review to production deployment time from days to minutes or hours.
- Mentored engineers and set technical direction, bridging product and engineering execution.

Senior Software Engineer III | May 2020 — Nov 2023

- Migrated widget platform to TypeScript + React, reducing bundle size by 60% and reducing release rollbacks for 12 months.
- Shaped data-driven product improvements with design-system components, cross-domain messaging, and A/B tests.

Software Developer | Nov 2018 - Jul 2019

- Built the flagship widget SDK; increased conversion 163% in 2 months and improved setup/observability.

UNBIRD — Full-stack Software Developer

Remote (UT)/Lagos, Nigeria | Jul 2019 — May 2020

- Built and maintained a customer-feedback analytics platform aggregating emails, social channels, app stores, Twitter, email bots, and Zapier integrations.
- Remodeled 35+ database schemas and APIs, improving performance and making the system easier for product and engineering teams to extend.
- Automated integration testing and deployment workflows with CircleCI and AWS CodeDeploy, improving release confidence and incident recovery.

ANDELA — Software Developer

Lagos, Nigeria | Mar 2017 — Nov 2018

- Migrated AngularJS client to React, lifting developer productivity by 50% and stability by 70%.
- Contributed to the migration of 12+ microservices to Mali.js from various stacks, including Go and Ruby, accelerating onboarding and backend stability.

VENTURES

ReferentGround — Builder (model-agnostic evidence and learning layer for AI-generated software work)

2026 — Present

- Built a TypeScript/Bun CLI and emerging cloud platform that turns codebases into deterministic, versioned software graphs for AI-assisted engineering, capability-level review, and audit-ready evidence.
- Designed parsing, extraction, graph snapshots, pathfinding, query, and bounded context-pack generation across TypeScript/Node monorepos.
- Built deterministic provenance and quality gates so generated context, capability paths, and AI-assisted changes can be replayed, diffed, and validated across repository revisions.
- Developed the product strategy around agent change governance: reviewable capability diffs, private evals, institutional memory, and grounded context packs for AI-generated software work.

EDUCATION

University of Oxford, Saïd Business School — Oxford Fintech Programme | Jun 2024 - Aug 2024

- **Capstone:** designed “Klay,” a multi-currency neo-bank concept with FX-hedging, AML/KYC, and modern rails.

University of Nigeria — B.Sc. Psychology | Sept 2010 - Sept 2014

LEADERSHIP & COMMUNITY

Facebook Developers Circle — Community Lead | Lagos, Nigeria | Sept 2018 — May 2020

- Mentorship, workshops, and curriculum development for the ReactJS and startup learners community.