Suleiman Francis

Software Engineer · Frontend · Backend · Mobile · AI
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SUMMARY

Software Engineer with 4+ years of experience (since 2022) designing, building and shipping production web, mobile and Backend software: Angular, React, Next.js and TypeScript on the Frontend; REST services on Node.js and Python (FastAPI); cross-platform mobile with React Native and Flutter; and LLM evaluation and RLHF - prompt design, rubric-based review, and human feedback on model responses. Lead engineer on Whistler's mobile app, web client and admin dashboard (sole engineer on the web client); lead engineer on SeamHealth's Clientshot Public.

EXPERIENCE

2025 - Present
Frelance

Mobile & Frontend Engineer Whistler (Whistler Community)

- Lead engineer on the Whistler cross-platform mobile app (React Native + Expo, TypeScript, Redux Toolkit, React Query) a community social platform published on the Google Play Store, with community feeds, moments, real-time chat (Socket.IO), events and attendance, leaderboards and tiers, and community insight dashboards.
- Built an on-device AI intent classifier (FastText embeddings, pure JavaScript, fully offline, no native modules) that maps free-text user input to 30 interest categories via a softmax layer, reaching ~99% precision/recall on held-out validation data.
- Implemented app-wide theming and dark mode, deep linking, push notifications (Firebase Cloud Messaging + Notifee), and social sign-in with Google, Apple, and Facebook; integrated Sentry crash reporting and Mixpanel / Firebase analytics.
- Built and shipped the Whistler Admin web dashboard (React 19, Vite, Tailwind CSS, TanStack Query and Table, React Hook Form + Zod, Recharts) user management, community moderation, moments review, activity logs, and a six-tab analytics suite.
- Added serverless API routes and a Vercel deploy-webhook build-notification pipeline; set up CI checks, pre-commit hooks, and MSW / Vitest test coverage.
- Managed Android release builds (Gradle app bundle / APK) and EAS over-the-air update channels for staged production and development rollouts.
- Sole engineer on the Whistler Web app (Next.js 16, React 19, TypeScript, TanStack Query, Socket.IO): 52 routes covering feeds, communities, moments, events, messages, discover and settings, with Google sign-in, guest access, live username checks, load-on-scroll paging, and 57 unit test files.
- Added an in-browser post classifier to Whistler Web (all-MiniLM-L6-v2 sentence embeddings on ONNX Runtime Web) that matches new posts to community categories and is cached on the device after the first download.
- Set up CI/CD for Whistler Web: format, lint, type and unit checks, Playwright end-to-end tests, Docker image smoke tests, dependency audits, and an enforced dev → staging → prod release flow deploying to Cloudflare Workers and a VPS over SSH; added a public landing page and link previews for shared posts and profiles.
- Built a prototype AI community engine on elizaOS (TypeScript): four AI personas that reply to posts, start discussions and summarise threads in Whistler communities, with rate limiting, per-user memory in PostgreSQL, Prometheus metrics, Docker, and 28 test files.
- Built the Whistler app download landing page: a single CSP-safe file deployed through GitHub Actions, designed to be served for share links opened without the app installed.

2023 - Present
Abuja, Nigeria · Hybrid

Frontend / Full-Stack Engineer SeamHealth Group

- Built responsive web applications with Angular, React, TypeScript, and CSS, and developed reusable component libraries adopted across 3+ internal products, establishing a shared UI quality bar.
- Designed and consumed REST APIs, integrating frontend features with backend services and validating data

consistency so malformed responses were caught before reaching production dashboards.

- Contributed to Clientshot (customer feedback analytics platform): interactive dashboards, dynamic feedback forms, and REST API integration for data capture and analytics.
- Delivered ELSRT (Electronic Lab Sample Reporting Tool) modules: real-time validation and error handling for lab data entry, plus high-volume data-processing optimization that cut manual verification time by an estimated 30%.
- Integrated and evaluated AI/LLM features authored and optimized prompts, reviewed model output against structured rubrics, and flagged hallucinated or inconsistent responses.
- Lead engineer on Clientshot Public, the public review site (React 19, TypeScript, TanStack Query, Zustand): organisation and industry directories, a 4-step review flow, sign-up and password reset, and member and organiser modules; wrote 48 of its 109 commits and 96 of its 111 test files.
- Redesigned the Clientshot v3 complaint workflow in Angular to match Figma: Update Status modal, assignee picker with member roles, and tag changes held until the update is applied.
- Wrote the first FastAPI backend for Device Intelligence (device fingerprinting and risk scoring; SQLAlchemy, Alembic, Docker, AWS ECS Fargate + RDS deployment path) and added live GPS location to its reporting in Clientshot Pulse.
- Built the first version of the SeamHealth blog (Next.js 16 + Sanity) with newsletter deliverability checks, rate limiting, CSP, structured logging and CI.
- Worked in Agile/Scrum: sprint planning, weekly code reviews, and daily stand-ups; authored technical documentation and acceptance criteria for 15+ feature releases.

2022 - 2023
Abuja, Nigeria · Hybrid

Software Developer Nigeria Civil Defence Corps HQ

- Developed and maintained internal web applications using Angular and React, improving reliability through systematic root-cause analysis and regression testing.
- Built reusable UI component libraries that reduced new-feature development time by an estimated 15% and standardized implementation patterns across internal tools.
- Reviewed peer code against internal engineering standards, acting as an informal quality gate with structured, actionable feedback before deployment.
- Translated stakeholder requirements into clear technical specifications and acceptance criteria, reducing miscommunication between design and engineering.

SELECTED PROJECTS

- **Whistler Mobile:** React Native + Expo community social app (published on Google Play) with real-time chat, feeds, moments, events, leaderboards, and an offline on-device AI intent classifier.
- **Whistler Admin:** React 19 + Vite + Tailwind admin dashboard for user management, moderation, and a six-tab analytics suite, backed by serverless API routes.
- **Clientshot (Customer Feedback Platform (SeamHealth Group):** interactive dashboards, feedback forms, REST API integration, and responsive cross-platform layouts for a customer feedback analytics product.
- **ELSRT (Electronic Lab Sample Reporting Tool):** lab data entry modules with real-time validation and error handling, and performance tuning for high-volume reporting.
- **Whistler Web:** Built solo: Next.js 16 web client with 52 routes, an in-browser AI post classifier, Playwright e2e tests, and a dev → staging → prod pipeline to Cloudflare Workers and a VPS.
- **Whistler AI Community Engine:** elizaOS prototype running four AI personas as community members, with PostgreSQL memory, rate limiting and Prometheus metrics.
- **Clientshot Public:** Lead engineer on SeamHealth's React 19 public review site: directories, review flow and accounts; authored 96 of its 111 test files.

- **Device Intelligence:** FastAPI service for device fingerprinting and risk scoring, with an AWS deployment path.
- **Cross-Platform Mobile Builds:** cross-platform applications built with React Native and Flutter shared component systems, offline support, and push notifications.

SKILLS

Frontend
JavaScript (ES6+), TypeScript, React, Angular, Next.js, Tailwind CSS, Redux Toolkit, TanStack Query, Zustand, RxJS, component architecture, accessibility, responsive design

Backend
Node.js, Python, FastAPI, Express, REST API design, JWT & RBAC, PostgreSQL, MongoDB, SQLAlchemy + Alembic, caching, validation, WebSockets, Docker, AWS (ECS, RDS)

Mobile
React Native, Expo, Flutter / Dart, offline-first data, push notifications, deep linking, native integrations, Play Store / App Store deployment

AI / LLM
LLM evaluation, RLHF, OpenAI & Anthropic APIs, prompt engineering, response evaluation & rubric-based grading, data annotation, hallucination & edge-case detection, RAG fundamentals, on-device classification (fastText, ONNX Runtime Web), AI agents (elizaOS)

Tooling
Git, GitHub Actions, Docker, Cloudflare Workers, Vitest, Jest, Playwright, pytest, Sentry, Mixpanel, Firebase Analytics, k6, Jira, Agile / Scrum, code review, technical documentation

EDUCATION

B.Sc. Computer Science - Nasarawa State University, Keffi, 2023

WASSCE - Priestly College, Romi, Kaduna, 2016

INTERESTS

Continuous learning, open source collaboration, AI systems & model behavior, technical writing.