

Aaron Adams

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Full Stack Engineer | React | TypeScript | Node.js | Python | PostgreSQL | Firebase | Docker

SUMMARY

Full Stack Engineer with 3+ years of experience designing, developing, and deploying web applications, desktop tools, and browser extensions. Background includes 5.5+ years in the mortgage/finance industry bringing strong analytical skills and client-focused problem solving to technical roles.

EXPERIENCE

Process Engineer, HD Switch — February 2024 – August 2025

- Created backend data systems to help improve company sales by 2.5x year over year.
- Implemented technology that cut 6 hours per week in human labor.
- Researched and developed upcoming products to bring to market.

Full Stack Engineer, Blitz Build LLC — May 2022 – February 2024

- Built primary user dashboard and sub-menus for task management, template building, and document storage using React.
- Integrated React frontend with Firebase backend using real-time listeners and REST API calls.
- Transitioned from Node.js API and PostgreSQL to Firebase, decreasing backend development time by 50% and saving 2 months of developer time.

PROJECTS

HelloCareer Flow — Full-Stack AI Resume Optimization SaaS — January 2026 – Present

- Built an AI-powered resume tailoring platform (Next.js, TypeScript, Firebase, OpenAI) that optimizes resumes against job descriptions with a 9/9 quality pass rate across multi-industry samples.
- Implemented credit reservation/refund transactions, HMAC-validated payment webhooks, RBAC, and per-user rate limiting (10 req/min) to protect billing and API usage.

SUNAFS (Suna AI Agent Platform) — December 2025 – Present

- Architected a privacy-first, self-hosted AI agent platform (Next.js, FastAPI, PostgreSQL, Redis) for local-first automation of web/code/file workflows.
- Built Docker-based sandbox execution with Playwright automation, WebSocket streaming UI, and observability (Prometheus/Grafana) for safe, inspectable agent runs.

Open ChatGPT Atlas (Chrome Extension) — November 2025

- Built a model-agnostic AI browser agent (TypeScript/React, Manifest V3) with Set-of-Marks visual grounding and normalized viewport coordinate scaling for reliable interaction in dynamic web apps.
- Shipped scheduled automations with safety controls (shield, emergency stop) and local LLM support (Ollama/LM Studio) to reduce API cost.

FocusGuard (Desktop App) — December 2025

- Developed a Windows-optimized Electron productivity app that blocks distracting domains via hosts-file DNS rules and terminates prohibited processes during focus sessions.
- Implemented crash-safe restoration (lock files + backups) and privilege minimization for elevated writes to system files.

Propel — AI-Driven Job Application Automation Engine — October 2025 – November 2025

- Automated the job application pipeline using Playwright/CDP with a learned Q&A; system (fuzzy matching + JSON persistence), reducing time-per-application from ~8 minutes to <30 seconds.
- Integrated Google Sheets tracking for real-time status visibility and generated job-specific cover letters via LLM-assisted templating.

Kind Human 4 Human Kind (kindhuman4humankind.org) — July 2025

- Built full-stack nonprofit website with React and Firebase, including landing page, contact forms, and an admin dashboard.
- Achieved 500–2,000 monthly users with 99.8% uptime; reduced hosting costs from \$300/year to \$20/year using Cloudflare tunnels.

NPIM (Nonprofit Inventory Manager) — July 2025

- Developed real-time inventory tracking app (React, Firebase) to manage donated items, locations, and valuations; reduced manual tracking workload by 20 hours/week.
- Engineered an AI-assisted bulk import wizard to map spreadsheet headers to NoSQL fields, reducing ingestion time for 1,000+ items from hours to minutes.

Luther Services — Field Service & Client Management Platform — February 2024

- Built a field service management platform (React, Firebase, MUI) with RBAC, scheduling, billing, real-time analytics, and multi-provider payments (Stripe/PayPal/Lemon Squeezy).
- Hardened security with Firestore rules and DOMPurify (XSS), and improved performance through code-splitting and WebP image optimization.

Additional Projects: Portfolio Website & CMS (React/Node/PostgreSQL/Docker/JWT/GitHub Actions), Desktop Automation Suite (Playwright-based web/desktop workflows), AI Finance Platform (Next.js/FastAPI/Postgres/Redis), Leadams Marketplace Listing & Inventory Automation (Python/openpyxl/Playwright), Trupiano Family Catering (Next.js/Express/Prisma/Docker), CRWN Clothing E-Commerce (React/Redux-Saga/Stripe), ROTLOR reminders app (React/Firebase/Twilio), United Camper marketing site, AustinsMyRealtor.net, E-Commerce Website.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Frontend: React, Next.js, Redux, Tailwind CSS, Material UI (MUI), HTML5, CSS3

Backend & APIs: Node.js, Express.js, FastAPI, REST APIs, WebSockets, GraphQL

Databases & Cloud: PostgreSQL, Firestore (NoSQL), Redis, Firebase, GCP, Azure

DevOps & Quality: Docker, Nginx, GitHub Actions (CI/CD), Playwright, Vitest/Jest, JWT, RBAC, HMAC

EDUCATION

Zero To Mastery Academy — 2022–2023

- Complete Web Developer, Complete React Developer (Redux, Hooks, GraphQL), Junior to Senior Web Developer Roadmap