

# Ari Toren-Herrinton

*Senior Software Engineer* React · TypeScript · Python · Node.js · CI/CD · Cloud · AI tooling

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## A — SUMMARY

Full-stack engineer with 4+ years shipping React and TypeScript systems in production at The Home Depot, with backend work across Node.js, Python, and Go. Led a core frontend rewrite used across fulfillment teams, helped migrate applications from Pivotal Cloud Foundry to GCP, and built CI/CD pipelines on GitHub Actions. On my own time I build AI-assisted developer tooling: a knowledge-capture MCP server with PostgreSQL pgvector semantic search and a genealogy query MCP server. US citizen, fully remote, no sponsorship required.

## B — EXPERIENCE

### Frontend Engineer, The Home Depot

*Feb 2024 – Present · Remote*

- Led the rewrite of core frontend libraries for cart and localization in TypeScript and React; now used across multiple fulfillment teams, improving reliability and iteration speed.
- Shipped React and GraphQL components across checkout and fulfillment flows, partnering with checkout and fulfillment teams on order-processing improvements.
- Reviewed code and design proposals, contributed typed contracts and component patterns adopted by other engineers, and mentored newer engineers on testing and TypeScript conventions.

### Full Stack Engineer, The Home Depot

*Oct 2021 – Jan 2024 · Contract, Remote*

- Built and maintained React apps and Node.js / Express REST APIs for the Tax Exempt platform, a multi-tier B2B system serving enterprise customers on the commercial channel.
- Wrote a data migration tool that moved records from IBM DB2 to PostgreSQL, unblocking the team's move to cloud infrastructure.
- Migrated applications from Pivotal Cloud Foundry to GCP (Cloud Run, Cloud SQL), containerizing services with Docker and improving scalability while lowering cost.
- Built CI/CD pipelines on GitHub Actions that automated deployment and testing, reducing release friction across teams.
- Identified and patched security vulnerabilities across environments handling enterprise customer data.

### Software Engineer, Independent

*Feb 2019 – Oct 2021 · Santa Clara, CA*

- Built and shipped full-stack applications using React, Node.js, Python, MongoDB, and Firebase, including a messaging app with auto-translation, scheduling tools, and e-commerce flows.
- Self-directed transition from product design into professional software engineering, leading into the full-stack role at The Home Depot.

### Product Designer, Uplift

*Mar 2018 – Feb 2019 · Menlo Park, CA*

- Worked with PMs and stakeholders to design and build against the product roadmap, taking products from paper sketches through high-fidelity wireframes.
- Designs were adopted by 9,000+ travel agents on the platform; UI/UX changes contributed to a 15% lift in booking conversions via A/B testing.

## C — CORE SKILLS

TypeScript · JavaScript (ES6+) · React · Next.js · HTML / CSS · Tailwind CSS · Node.js · Express · Python · Go · GraphQL · REST APIs · PostgreSQL · MongoDB · Firebase · Supabase · SQL · GCP (Cloud Run, Cloud SQL, Cloud Build, GCS) · Docker · CI/CD · GitHub Actions · Playwright · Vitest · Jest · TDD · Git · MCP (Model Context Protocol) · AI-assisted development tooling (Claude Code, Gemini, Cursor)

## D — PROJECTS

**Open Brain MCP.** Personal knowledge-capture MCP server on Supabase Edge Functions (Deno / TypeScript), PostgreSQL with pgvector + HNSW for semantic search. Dual transport: MCP-over-HTTP for Claude / Gemini plus a REST API for an Apple Shortcut.

**Ancestry MCP.** Genealogy query MCP server on Node.js / TypeScript with PostgreSQL, deployed as a Supabase Edge Function. GEDCOM import, ancestor search, relationship finding, and statistical analysis exposed to agents as MCP tools.

## E — TRAINING

BA in Language Studies (Spanish), UC Santa Cruz · UX Design Immersive, General Assembly