Matthew Nelson

Senior Software Engineer

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EXPERIENCE

IDEMIA Oct 2026 – Present

Software Engineer (Contract)

Apple Sep 2025 – Sep 2026

Software Engineer (Contract)

- Led accessibility remediation across two enterprise platforms, including a full heading-hierarchy rewrite
- Designed a route-level focus management system of reusable React hooks, replacing ad-hoc per-screen handling
- Upstreamed accessibility APIs into the shared design system, ending per-app workarounds for hard-coded levels
- Cut E2E suite runtime by up to 70% with a cluster-mode mock GraphQL server using container-aware CPU detection
- Authored accessibility E2E suites and a CI gate enforcing axe-core accessibility standards on every PR
- Contributed skills and hooks to an internal Claude Code suite used department-wide for review and PR creation

Intuit Sep 2024 – Sep 2025

Software Engineer (Contract)

- Developed and optimized the TurboTax login experience in React, serving millions through peak tax season
- Implemented AI-driven login personalization from auth and filing-pipeline signals, tracked to upgrade conversion

Lowe's May 2021 – Sep 2024

Senior Software Engineer

- Owned the curbside pickup web client frontend: buildout, testing, in-store validation, and nationwide rollout
- Built customer-facing e-commerce applications serving millions in React, TypeScript, Redux, GraphQL, Node.js
- Led UI design system migration across 26 frontend applications, coordinating cross-team zero-downtime upgrades

Cal Poly Corporation Dec 2019 – May 2021

Full Stack Software Developer

- Built web applications for 20,000+ students and staff in React, Node.js, and Next.js; led student developer team

PROJECTS

FlashNote *TypeScript · React · Next.js · PostgreSQL · Vertex AI · Stripe*

- Built a SaaS to HIPAA technical-safeguard requirements, turning therapists' shorthand into clinical SOAP notes
- Designed a provider-agnostic LLM layer over Gemini and Claude with schema-constrained, injection-guarded output
- Wrote a hallucination detector flagging generated clinical measurements absent from the clinician's input

Physio AI *TypeScript · React · Node.js · GraphQL · PostgreSQL · Gemini*

- Built a local-first agent orchestration system: specialized agents pick up, track, and complete stories across 19 epics
- Convention-enforced workflow gates and git-native audit trails through CLI tooling and an HTML dashboard
- Designed multi-tenant isolation, role-based access control, and PHI audit logging across a 47-table FHIR schema

TECHNICAL SKILLS

Languages · TypeScript, JavaScript, SQL
Frontend · React, Next.js, Redux, GraphQL, Tailwind CSS
Backend & Infrastructure · Node.js, Express, PostgreSQL, GCP (Cloud Run, Cloud SQL, Vertex AI), Docker, CI/CD
Accessibility · WCAG 2.2 AA, axe-core, ARIA, VoiceOver. Authored CI accessibility gates
Testing · Playwright, Vitest, Jest
AI · LLM APIs (Gemini, Claude), prompt engineering, agent orchestration. Claude Code as daily driver

EDUCATION

BS Kinesiology & Public Health Dec 2018

California Polytechnic State University, San Luis Obispo