



Senior/Staff AI Product Engineer | UX & Frontend Systems

Matt Whalley

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Senior product engineer working across AI, frontend systems, design, and technical enablement. I've shipped customer-facing AI products, built agentic development infrastructure, and led engineering standards in environments where accessibility, security, and reliability are mandatory. I'm at my best going deep on hard problems and helping teams turn emerging technology into dependable software.

EXPERIENCE

Frontend Engineering Manager, DataSpring

2022 - Present

AI product engineering, UX engineering, and technical enablement

- Shipped AI-powered provider search covering 1.6M+ providers and 674 specialties across 64 enterprise health-plan customers (12 plans) in beta, combining full-roster search, lay-language specialty matching, enriched provider data, and interactive mapping on Azure AI Foundry/Azure AI Search
- Built and led enterprise rollout of a multi-agent AI development pipeline (Claude Code + Jira + ADO + Figma MCP), scaling adoption to ~100 users across 5+ vendor and internal teams
- Partnered with security and infrastructure teams to establish authentication and policy controls for org-wide Claude Code deployment, enabling secure adoption across ~100 users spanning engineering, product, and vendor teams
- Engineered multiple internal MCP servers (Azure DevOps, Okta, Figma, and others), rolled out to all engineers and adopted as the blueprint for extending AI access to non-engineering functions
- Prototyped automated healthcare provider verification querying 3 federal/industry sources (NPPES via CMS, OIG LEIE, SAM.gov) in parallel with automated change-detection and confidence scoring; concept validated and now being pursued by another team
- Established design system and WCAG accessibility standards adopted across 2 product lines; sole frontend SME for React Native app shipping to iOS and Android

Senior Digital Product Designer & Developer, Broward County Government

2014 - 2022

- Delivered WCAG-compliant public-facing digital products serving Broward County's 1.9M residents
- Reduced delivery timelines 25% by designing and implementing a county-wide design system
- Introduced machine translation via Microsoft Cognitive Services, expanding access for non-English-speaking residents
- Trained 100+ staff in accessibility standards and CMS best practices, reducing support overhead and improving content quality

SKILLS

AI Product Engineering Azure AI Foundry, Azure AI Search, MCP, Agentic Workflows, Claude Code, RAG, AI Evals, Azure AI Services

UX & Frontend Engineering React, React Native, TypeScript, Design Systems, Accessibility (WCAG)

Technical Leadership Architecture Reviews, Engineering Enablement, Cross-Functional Delivery

EDUCATION

Bachelor of Arts (B.A.) in Psychology & Technology – Florida International University

2019

Associate of Science (A.S.) in Graphic Design – Broward College

2014

CERTIFICATIONS

Azure AI Engineer Associate — Microsoft

2024

Interface Design Certificate — Shift Nudge

2022

Foundations of UX Design Certificate — Google

2021

Mobile Web Specialist Nanodegree — Udacity

2018