



AI Product Engineer & UX Engineering Lead

Matt Whalley

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AI product engineer who ships. My recent work spans production apps, agentic development pipelines, enterprise AI tooling, and cross-platform mobile — built in healthcare and public-sector environments where quality, accessibility, security, and compliance aren't optional. I work fluidly across engineering, design, and product, and I'm at my best when I can go deep on hard problems and bring others along.

EXPERIENCE

Senior AI Product Engineer & UX Engineering Lead, DataSpring (formerly CAQH)

2022 - Present

- Shipped a production AI-powered provider search application, now in beta with enterprise health-plan customers — full-roster search, RAG-based specialty matching, enriched provider data, and an interactive map, powered by Azure AI Foundry and Azure AI Search
- Built a multi-agent AI development pipeline (Claude Code + Jira + ADO + Figma MCP) adopted by internal and offshore engineering teams, standardizing AI-assisted delivery and cutting manual handoff overhead
- Led enterprise rollout of Claude Code on Azure infrastructure, partnering with security, infrastructure, and engineering teams to establish authentication, policy controls, and scalable adoption practices
- Prototyped an automated healthcare provider verification platform using authoritative federal and industry data sources including NPPES, OIG LEIE, SAM.gov, and CMS, reducing reliance on manual verification workflows
- Engineered internal MCP servers for Azure DevOps, Okta, and Figma, enabling AI agents to interact with live organizational systems throughout the development lifecycle
- Designed an internal Figma plugin (RFD Checker) for automated design QA, in use on multiple product initiatives
- Served as frontend SME for a React Native mobile application shipping to Android and iOS, guiding implementation decisions and platform delivery
- Established design system and accessibility (WCAG) standards spanning multiple product lines

Senior Digital Product Designer & Developer, Broward County Government

2014 - 2022

- Delivered WCAG-compliant public-facing digital products serving a large, diverse resident population
- 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