

# REESE THOMPSON

SYSTEM ARCHITECT · FULL STACK SOFTWARE ENGINEER · TECHNICAL LEADER

## SKILLS

YEARS EXPERIENCE · AREA

- 7 System Architecture
- 10+ UI / UX Development
- 10+ Product Design & Lifecycles
- 8 Team Lead & Management
- 8 Agile & Scrum (Certified)
- 5 Machine Learning, NLP & AI

## TECHNOLOGY

YEARS EXPERIENCE · AREA

- 10+ TypeScript, React, Redux
- 10+ Web (HTML, CSS, JavaScript)
- 8 Server JS (Node.js, Express)
- 10+ Python (FastAPI, Flask, Django)
- 8 AWS (R53, VPCs, ECS, RDS, Bedrock, CDK)
- 8 Databases (PostgreSQL, MongoDB, Redis, SQL Server)
- 7 CI/CD (GitLab, Docker, OpenShift)

## EDUCATION & COURSES

**University of Colorado, Boulder**  
M.S. Computer Science · 2026  
· AI Concentration

**University of Northern Colorado**  
B.S. Economics · 2008  
· General Concentration

Google UX Design Professional  
SCRUM Certified Scrum Master

## CONTACT

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- Whitehaven, UK

## PROFILE

**Hello world!** I am a seasoned software engineer with years of experience designing and building scalable systems, specializing in **system architecture, full-stack development**, and leading engineering teams through complex product delivery.

## EXPERIENCE

**Civic Plus** · Solutions Architect · *October 2025 – Present*

- Architected foundational **AWS infrastructure** and a shared services repository powering cross-team workflows, including APIs and backends built with **Python (FastAPI, Flask)** and **Node.js (Express)** with React frontends
- Designed and deployed scalable data pipelines integrating **MongoDB, vector databases, PostgreSQL**, and ML services to ingest, classify, and prioritize support tickets across product teams
- Led an automation initiative that won a Stevie Award and saved the company over **\$300,000 annually**, while establishing engineering standards and dev pipelines to accelerate team onboarding

**Department of Transportation (Castle Rock ITS)**

Team Lead & System Architect · *January 2024 – September 2025*

- Led the complete rebuild of the 511 traffic management system, architecting **microservices** on **AWS** with **Node.js, Express, Redis**, and **PostgreSQL**
- Directed front-end development with **Ionic, React, Redux**, and **TypeScript** delivering unified web, iOS, and Android experiences

**Meta** · Senior Software Engineer III · *June 2022 – January 2024*

- Member of the internal network infrastructure team responsible for the redesign and implementation of fiber optic management software
- Built custom internal solutions using Meta technologies including **React, Relay, Flow**, and **PostgreSQL**

**Prime Medical** · Team Lead & System Architect · *May 2020 – May 2022*

- Architected an entire patient management system and document data lake spanning **12 clinics**, built end-to-end with **Ionic React, TypeScript, Node.js**, and **Express**
- Led full rebuild from legacy system in .NET 4.6 using **Microsoft SQL**

**Red Hat** · Senior Software Engineer · *February 2017 – March 2020*

- Acted as team lead for redhat.com support development
- Implemented **CI/CD** using **GitLab Pipelines** and **Red Hat OpenShift**
- Championed accessibility, internationalization, and user research initiatives across the digital marketing engineering team

[View Full Portfolio & Selected Works](#)

<https://ReeseThompson.dev>