

REESE THOMPSON

FULL STACK SOFTWARE ENGINEER · AI & AUTOMATION EXPERT · CERTIFIED SCRUM MASTER

SKILLS

YEARS EXPERIENCE · AREA

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

TECHNOLOGY

YEARS EXPERIENCE · AREA

- 10+ · Web (HTML · CSS · JS)
- 10+ · JS (TypeScript · React)
- 10+ · Python (FastAPI · Django)
- 8 · Server (Node · Spring · Fast)
- 8 · AWS (Cloud Services · CDK)
- 8 · Databases (SQL · NoSQL)
- 5 · ML & AI (Tensorflow · AWS · OCR · Langchain · LLMs · VDBs)

EDUCATION & COURSES

University of Colorado, Boulder

M.S. Computer Science · Ex 2026
· AI Concentration

University of Northern Colorado

B.S. Economics · 2008

· Data Science Concentration

Google UX Design Professional

SCRUM Certified Scrum Master

CONTACT

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- 📍 Germanton, NC

PROFILE

I am a professional **software engineer** with extensive experience throughout the full software stack. My career focus has been centered around **user experience** and **full-stack design and development**, with a recent focus in **Artificial Intelligence** integrations and **AI driven tools** and **internal systems**.

EXPERIENCE

Department of Transportation · System Architect · Team Lead · Jan 2022 - Present

- Designed and led implementation of full stack software solution for new DOT 511 systems, including UI (**Ionic, React, Redux, TypeScript**) for web, iOS and Android, APIs (**Node JS, Express**) and data layers (**Redis, PostgreSQL**) running on AWS
- Led **AI initiatives**, including consumer facing AI integrations with 511 systems, as well as **company and internal AI tooling** for project teams and development teams

Meta · Senior Software Engineer III · July 2020 - Jan 2022

- Member of internal network infrastructure team responsible for redesign and implementation of new fiberoptic network management software
- Used Meta design specifications and Meta technologies (**React, Relay, Flow**) to design custom internal solutions, working with stakeholders for operational requirements

Red Hat · Senior Software Developer · Team Lead · Feb 2017 - June 2020

- Worked on Digital Marketing team implementing designs, webpages and applications to support RedHat.com by utilizing **web components** and crafting new **design systems**
- Led team focused on **internal tools** and **automation** supporting marketing division
- Containerized and architected build processes for front-end codebases using **Docker, GitLab Pipelines**, and RedHat **OpenShift**

Vail Resorts · Front-End UI/UX Developer · Jan 2013 - Feb 2017

- Specialized as front-end developer for multiple product lines including web, Android, and iOS applications, working in web (**jQuery, React**) and natively in (**Obj-C, Java**) for mobile
- Acted as team lead for front-end developers, helping architect systems, on-board and manage contractors, and lead **Agile** practices

Various Start-Ups · Designer · Developer · Team Lead

- Worked in various contract or cofounder roles with multiple start-up companies. See portfolio for a selection of works.

View Full Portfolio & Selected Works

<https://ReeseThompson.dev>