

Tanner Finlay

Front End Software Engineer

Email | LinkedIn | GitHub | Portfolio

WORK EXPERIENCE

Raytheon

Front End Software Engineer

Oct 2025 - Present

Denver, CO

- Led Angular architecture migrations to zoneless change detection and Jest across 40+ packages, reducing test suite runtimes by 50% and identifying multiple open handles across 4 applications.
- Owned reusable Angular components and custom Material-based UI libraries adopted across 10+ teams, standardizing UI implementation and accelerating adoption of shared frontend patterns.
- Designed and shipped AI-powered chat interfaces and session management workflows, building reusable Angular frontend architecture and integrating backend APIs to support user-specific conversation history and extensibility.
- Reworked Node.js/Express.js middleware and reverse-proxy architecture to establish the team's first firewall-hosted staging environment, eliminating local Chrome sessions with disabled web security and related onboarding steps; adopted by 10+ developers and additional teams.
- Established ARIA/WCAG-compliant component patterns and engineering guidance across 4 applications, improving accessibility consistency and establishing reusable standards for frontend development.
- Led onboarding for 5 engineers and mentored 2 software engineering interns, providing guidance on frontend development, testing practices, and engineering workflows.
- Developed an automated release pipeline for Node-based UI packages, validating bundled artifacts with pre-deployment tests and failure gating to improve design-system release reliability.
- Built Cesium-based geospatial visualizations and interactive orbital/constellation models, transforming mission data into dynamic frontend experiences.

J.B. Hunt

Full Stack Software Engineer

Jan 2024 - Oct 2025

Lowell, AR/Remote

- Delivered Angular/TypeScript frontend features and Spring Boot services for a new enterprise platform, accelerating a major application rollout by 4 months.
- Built reusable Angular components for a centralized design system used across 20+ product teams and micro-frontends, standardizing UI implementation and improving consistency across applications.
- Modernized a legacy Angular application serving 200+ users by migrating from NgRx state management to Angular signals, improving maintainability and user experience.
- Overhauled the Cypress E2E suite and integrated Cypress Dashboard into deployment pipelines, reducing test execution time from 40 minutes to 12 minutes while improving visibility into test failures.
- Mentored a software engineering intern on frontend development, testing practices, and Agile workflows, contributing to a successful return offer.
- Improved application performance and deployment efficiency through adoption of Angular Signals and native image optimization strategies.

J.B. Hunt

Software Engineering Intern

May 2023 - Jan 2024

Lowell, AR/Remote

- Developed Angular web forms that enabled customers to request two additional shipment types online, expanding self-service functionality.

PROJECTS

Auburn University Staff Website Redesign

Next.js, Tailwind CSS, Vercel, Figma

- Redesigned and redeveloped Auburn University's staff website with a responsive, accessible interface; led UI prototyping and information architecture in Figma/FigJam and implemented SSR, caching, and CI/CD deployment.

George Eliot Archive Social Network Visualization

JavaScript, D3.js, Node.js

- Overhauled a research-focused data visualization platform with real-time updates and frontend performance optimizations, increasing application responsiveness by 30%.

Self-Hosted Homelab

Ubuntu Linux, Docker, Traefik, DNS, Networking, Bash

- Built and administrated a self-hosted infrastructure stack, configuring containerized services, reverse proxies, DNS, firewall/port forwarding, remote administration, networking, and automation scripts.

SKILLS

- **Languages:** TypeScript, JavaScript, Java, Python, SQL, Bash, HTML, CSS, MATLAB
- **Frontend:** Angular, RxJS, NgRx, React, Next.js, Vue.js, Tailwind CSS, CesiumJS, D3.js
- **UI & Architecture:** Design Systems, Component Libraries, Accessibility (ARIA/WCAG), State Management, Figma, FigJam
- **Backend:** Node.js, Express.js, Spring Boot, Quarkus, REST APIs, Microservices
- **Cloud & DevOps:** GCP, Azure, AWS, Docker, Kubernetes, CI/CD, Git, CloudBees, Traefik, Linux, Ubuntu
- **Testing:** Cypress, Vitest, Jest, Jasmine, JUnit, Selenium
- **Data & Messaging:** SQL, Redis, Kafka, ActiveMQ, Elasticsearch
- **Security:** Keycloak, JWT
- **AI-Assisted Development:** GitHub Copilot, Claude, Poolside AI, AI coding agents

EDUCATION

M.S. Computer Science, Georgia Institute of Technology — In Progress

B.S. Computer Science, Auburn University

B.S. Physics, Auburn University