# Tanner Finlay

**Full Stack Software Engineer**
tannerfinlay.dev

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## Summary

Full-Stack Software Engineer specializing in Angular, Spring Boot, and scalable cloud architectures. Experienced in microservice development, CI/CD automation, and optimizing software pipelines for enterprise applications. Passionate about delivering high-performance solutions and crafting seamless user experiences with meticulous UI precision.

## Skills

- **Programming Languages**: TypeScript, Java, Python, HTML, CSS, MySQL, Matlab
- **Front-End**: Angular, NgRx, ReactJS, Next.js, Tailwind CSS, Figma, FigJam, UI Design
- **Back-End**: Spring Boot, Node.js, Quarkus, API/REST, Microservices
- **Cloud & DevOps**: GCP, Azure, Docker, Kubernetes, CI/CD Pipelines, Git, AWS, Agile
- **Testing & Automation**: Cypress, AI/Copilot, Jest/Jasmine, JUnit, Selenium, Cloudbees Rollout
- **Databases & Messaging**: SQL, Redis, Kafka, ActiveMQ

## Work Experience

**J.B. Hunt** Lowell, AR/Remote
*Full Stack Software Engineer* *Jan 2024 - Present*

- **Led development** of multiple major epics for a new application, leveraging **Angular & Spring Boot** to create scalable, high-performance solutions.
- **Modernized** a legacy application, enhancing functionality for **200+ users** and improving system efficiency.
- **Built and maintained reusable UI components** for a **centralized design system library** used across multiple product teams, improving development efficiency and design consistency. **Authored comprehensive documentation** on the design system website to support adoption and ease of use.
- **Reduced** end-to-end testing time by overhauling the **Cypress automated testing suite** and introducing the **Cypress Dashboard** to track tests across all pipelines.
- **Implemented microservices** and optimized service health monitoring, accelerating a major app rollout by **4 months** ahead of schedule.
- **Improved build & deployment speeds** by integrating **Angular signals & native image strategies**, leading to faster and more efficient releases.
- **Ranked #1** in on-call support with an average assignment resolution time of **20 minutes** and maintaining a **365-day timely fulfillment streak**.
- **Mentored an intern**, guiding them through front-end frameworks and testing best practices and Agile methodologies, leading to their **return offer**.

**J.B. Hunt** Lowell, AR/Remote
*Software Engineering Intern* *May 2023 - Jan 2024*

- **Developed new web forms** using **Angular**, enabling customers to request two additional shipment types online, enhancing user functionality.
- **Resolved critical bugs & CVEs**, ensuring platform security across web and mobile applications.
- **Led an Agile development cycle** as a team lead, collaborating via **Kanban workload management** and actively contributing to **daily standups & sprint planning**.

**Auburn University** Auburn, AL
*Undergraduate Research Assistant* *Jan 2022 - Jan 2023*

- **Developed Python scripts** for **X-ray spectrum modeling**, applying angular momentum distributions to **n-resolved cross-sections**.
- Created a script in **Python** with the Lightkurve package to download and analyze TESS data of available stellar light curves resulting in **several exoplanet indicators**.

## Projects

**Auburn University Staff Website Redesign**

*Tech Stack: Next.js, Tailwind CSS, Vercel*

- Spearheaded the **full redesign and redevelopment** of Auburn University's staff website to enhance user engagement and modernize the UI.
- Developed a **responsive and accessible design** using **Next.js** and **Tailwind CSS**, ensuring **seamless functionality** across desktop and mobile devices.
- Optimized site performance and reduced page load times by leveraging **server-side rendering** and efficient caching strategies.
- Successfully deployed the project on **Vercel**, integrating **CI/CD workflows** for smooth, automated updates.

**George Eliot Archive Social Network Visualization**

*Tech Stack: JavaScript, D3.js, Node.js*

- Led a **complete overhaul** of a data visualization JavaScript applet for the **George Eliot Archive**, an academic literary research project.
- Implemented **real-time data updates** to ensure visualizations reflected the latest research data, improving accuracy and usability.
- Enhanced the **UI/UX** design, making the visualization more intuitive and user-friendly for researchers.
- Optimized **data processing algorithms**, improving performance and responsiveness by **30%**.

## Education

**Auburn University** Auburn, AL

*Bachelor's of Science in Computer Science and Physics*