

Wren Hawthorne (they/them)

Senior Software Engineer

Seattle, WA | [\(443\) 867-6452](tel:(443)867-6452) | wrenhawth@gmail.com | linkedin.com/in/wren-hawthorne/

Software Engineer with a dedication for creating exceptional user experiences, achieving impactful results, and collaborative problem solving.

Professional Skills: Full-Stack Web Development, Collaboration, Problem Solving, Mentorship, Software Architecture, System Design, Front-End Testing

Technical Skills: Typescript, React, HTML, CSS, Styled Components, Javascript, Jest, Redux, AWS, Python, Node.js, RESTful APIs, SQL, Java

PROFESSIONAL EXPERIENCE

GoGuardian, El Segundo, CA (remote), Jul 2022 - Dec 2023

Educational technology company offering a collection of software to help over 14,000 K-12 schools ensure their students have safe, secure, and productive online learning environments.

Senior Software Engineer

Developed and maintained GoGuardian Admin, a web application used by K-12 school administrators to manage content filtering policies and configuration, investigate trends and data on student browsing activity, recover stolen devices. As the leader of the Front-End team, I mentored junior engineers in React and Typescript best practices through paired code, educational brown bags, and code reviews.

- Enhanced safety and security through adding support for Custom Role-Based Access Control, enabling schools to fully customize permissions and better protect student privacy
- Reduced the rate of uncategorized student browsing by a factor of 5 by developed a web interface for a Large Language Model in Streamlit to allow stakeholders to more efficiently categorize websites that were previously uncategorized by the web categorization data pipelines.
- Strengthened accessibility of the app's shared components library and increased team velocity by addressing 1,000+ remediations through developing standard approaches to common accessibility violations across code base.

98point6, Seattle, WA (remote), Aug 2019 - Jul 2022

Health technology company that promotes access to health care by connecting millions of patients with primary care providers through a virtual telemedicine clinic.

Senior Software Engineer

Developed the React/Redux-based Clinician Console app used by medical professionals to interact with, diagnose, and treat patients in a tele-health setting. Worked to shape the development of the app to leverage development best practices for performance, maintainability, reliability, and usability.

- Improved type safety, reduced build times by 50%, and improved developer ability to quickly deliver features by transitioning the type-checking system for three large web clients from Flow to Typescript. A focus on mentoring and education, alongside automated tooling, empowered other developers to smoothly transition and more efficiently use the new language features.

98point6 continued:

- Reduced page rendering times by half for internal account management tools, allowing the sales team to more quickly access and update information for the company's clients.
- Created utilities to integrate the Clinician Console with a new GraphQL-based back-end, creating a bridge between the front-end console and the queries and mutations needed to retrieve and manipulate medical data.

Polly, Seattle, WA, Aug 2017 - Aug 2019

A SaaS company offering tools to help companies better facilitate team member engagement and decision making by conducting polls and surveys through Slack and Microsoft Teams

Software Engineer

Developed both the customer-facing front-end application, which was used for managing and analyzing the results of surveys, and the large scale back-end software responsible for processing user events from Slack integrations.

- Coordinated, maintained, and documented code standards for the component library, improving developer output, component performance, and the consistency of the user experience. These component performance optimizations, combined with other front-end optimizations, reduced average load time by 50%.
- Wrote back-end web-application software to process millions of AWS SQS events each month to quickly respond to user input in Slack. Refactored code to improve throughput and reduce customer wait time due to API rate limiting.

CSRA / 42Six, Arlington, VA, Oct 2014 - Aug 2017

An IT firm providing technical contracting services to the U.S. Government

Software Engineer

Worked as a Full-Stack developer on a variety of contract projects using a wide variety of stacks.

- Developed and maintained case-management system web-app for processing refugee applications. Hardened security within the application to better protect data of applicants and employees.
- Competed and won in a contract bidding process that relied on creating a rapid prototype. The created prototype was a Angular.js web-app that pulled data from a RESTful JSON service and presented the results in a user-friendly and customizable format.
- Modified machine learning workflows to properly use Apache Spark features for more reliable and efficient distributed processing, increasing performance. Increased configurability of the workflows through modifying the front-end used for launching and viewing the results of jobs.

EDUCATION

Master of Science in Computer Science (Ongoing, expected Fall 2025)

Georgia Tech

Bachelor of Science in Psychology, Minor in Computer Science

University of Maryland