ERIC SHIELDS

SOFTWARE ENGINEER - FRONTEND

CONTACT

✉ resume@EricRShields.com

🌐 linkedin.com/in/EricRShields/

📍 Seattle, WA

SKILLS

Skill	
JavaScript (ES6)	◆ ◆ ◆ ◆ ◆
React.js	◆ ◆ ◆ ◆ ◆
TypeScript	◆ ◆ ◆ ◆ ◆
Git Version Control	◆ ◆ ◆ ◆ ◆
NPM, Webpack, etc	◆ ◆ ◆ ◆ ◇
HTML5 & CSS3	◆ ◆ ◆ ◆ ◇
Unit Testing	◆ ◆ ◆ ◆ ◇
Agile Process	◆ ◆ ◆ ◆ ◇
RESTful APIs	◆ ◆ ◆ ◇ ◇
DevOps & OnCall	◆ ◆ ◆ ◇ ◇
Java, PHP, SQL	◆ ◆ ◇ ◇ ◇

RECOMMENDATIONS

DEAR HIRING TEAM,

I have proven skills in React and TypeScript, expertise with the usual Linux development tools like Git, NPM, and Webpack, a preference for Agile methodologies, and experience in a wide range of development practices, such as DevOps & On-Call, ticketing systems like Jira, CI/CD & deployment pipelines, and component-based design systems like MaterialUI. I have served as Scrum Leader for my team of 8-10 developers. I have experience working fully on-site, hybrid, and fully remote.

I am experienced in developing at scale, having written Java, JavaScript, and CSS for the Amazon.com retail search results page, which is viewed billions of times every month[1] and is available globally in many languages.

I am a continuous learner, frequently learning new languages or systems for new jobs or projects. I created a simple portfolio website in Next.js + TypeScript to learn the latest web stack and I am learning MaterialUI + Emotion Styled Components, AWS CDK, Websockets, and AI tooling for the Ryoma project.

I hold Equity, Climate Justice, and Sustainability as core values in all aspects of my life. I have volunteered for non-profits supporting the homeless population. I have participated in parades and protests supporting LGBTQIA+ rights. I am a voice for those who are not heard.

I may not have had a paying job I can put in my "Professional Experience" section for these last two years, but I have been hard at work on myself, my loved ones, and my community. Growing social and interpersonal skills and learning about other cultures and their struggles. Pushing myself to be better than I was, every single day.

I look forward to talking with you about my application soon!

SINCERELY,

Eric Shields

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[1] Source: similarweb traffic analytics

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TypeScript ◆ ◆ ◆ ◆ ◆

Git Version Control ◆ ◆ ◆ ◆ ◆

NPM, Webpack, etc ◆ ◆ ◆ ◆ ◇

HTML5 & CSS3 ◆ ◆ ◆ ◆ ◇

Unit Testing ◆ ◆ ◆ ◆ ◇

Agile Process ◆ ◆ ◆ ◆ ◇

RESTful APIs ◆ ◆ ◆ ◇ ◆

DevOps & OnCall ◆ ◆ ◆ ◇ ◇

Java, PHP, SQL ◆ ◆ ◇ ◇ ◆

SOFTWARE

Linux OS	Basic graphic design
Google Docs	Intellij & WebStorm
Windows OS	Slack
Microsoft Office	Project Management

EDUCATION

Rochester Institute of Technology

B.S. in Computer Engineering

Community Service Head for the House of General Science

PROFILE

Senior Front End Engineer with **15 years of experience** between **Front End**, **Full Stack**, and **Software Engineering**. Dedicated to **Sustainability**, **Climate Change**, and **Ethics/Equity**. Perpetual **mentor** and mentee.

Turning designs into **effective**, **simple**, **functional**, and **accessible** web applications and User Interfaces with a mind for **scalability**, **reuse**, **testing**, and **performance**. Prioritizing the highest standards in code, collaboration, communication, documentation, and **integrity**.

PROFESSIONAL EXPERIENCE

Employment Gap   May 2022 - Current

- Working on several coding projects (see "Projects" on page 2)
- Chosen for Climatebase Fellowship program, Cohort 3
- Learning Vietnamese, including visiting Ho Chi Minh City
- Coordinated multiple construction projects, including
  - Weatherization for a rental home 3000 miles away
  - Major remodel of newly purchased home
- Volunteering to help build homes for the homeless
  - Including a Detached Dwelling Unit (DADU) in my back yard!
- Managing a rental property remotely
- Applying Agile Methodologies to my personal and family life

Front End Engineer II   Jan 2019 - May 2022

Amazon Web Services (AWS) - Service Catalog Console   *Seattle, WA*

- Assisted migration of the console from AngularJS 2.x to React, Redux, TypeScript, NPM, ESLint, Prettier, Webpack, & Babel
  - Complete rewrite of the console from scratch—old console code was able to be 100% deprecated and deleted!
  - Upgraded JS unit test to Enzyme, Jest, and React Testing Library
  - Managed a complex transition period with both apps active
  - Mentored several team members, who became high-impact devs
  - Lead for coordination and integration of analytics platform

- Led launch of the console in the 2nd US Government special region
  - Reduced the time to launch a new region by over 50%
  - Provided foundation for very complex launch in China
  - Launch template recognized by senior leadership as a desirable example for the whole organization to follow

- Completed the complex migration of the core OS on 150+ web servers with 0 production down time

- Created extensive documentation of projects and team processes

- Performed extensive and in-depth code reviews, earning the title of "team code gatekeeper"

- Co-founded the team's Cultural Lunch & Learn program

ADDITIONAL SKILLS

A/B Testing & Experimentation

Fully Remote, Hybrid, or Onsite Work

Cross-functional Collaboration

Communication & Teamwork

Critical Thinking & Problem Solving

Continuous Integration / Continuous Deployment (CI/CD Frameworks)

Software Documentation

Interpersonal empathy and trauma support

RECOMMENDATIONS

❝Eric gives new meaning to one of Amazon's primary leadership principles: "insist [on] the highest standards".❞

JUSTIN, AWS

❝Eric is one of the best people I've worked with at AWS, he is very diligent and sets a very good example for others to leave the campsite cleaner than before. His code and technical design are very thorough, and he gives great feedback and suggestions.❞

VARUN, AWS

❝Eric's passion for sustainability and equity was clearly inspiring not just for me but also for the team. Any team would be lucky to have Eric, and I couldn't recommend him more for any business looking for new talent.❞

TAUSEEF, AWS

View more recommendations at linkedin.com/in/ericrshields/details/recommendations/

PROFESSIONAL EXPERIENCE (CONT.)

Web Development Engineer II (Design Tech)
Sep 2017 - Jan 2019

Amazon.com - Search Design Technology — *Seattle, WA*

- As a solo dev, researched and delivered an entire custom prototype website including several distinct designs within 45 days (phase 1)
  - Presented to very impressed senior org management

- For phase 2, built all (internal) customer-facing UI and the macro system for use in the Content Management System (CMS) editor

- For phase 3, provided Project Management, engineering, design, TPM, and content architect support. "Daytime On-Call" for full stack

Web Development Engineer II (Java SDE)
Oct 2015 - Sep 2017

Amazon.com - Retail Search Customer Experience — *Seattle, WA*

- Altered display of items based on customers' and items' properties
  - Improved 100,000+ items to provide contextually relevant information and call-to-action

- Lead developer for Comparison View
  - Seen by millions of Amazon retail search customers daily
  - Wrote code encompassing the full stack, including datapath (custom database), Java, JSP, JavaScript, and HTML/CSS
  - Collaborated extensively with several related teams
  - Increased Ordered Product Sales, a critical metric for Retail, by a confidential, statistically significant amount

See LinkedIn profile for work experience prior to 2015

CODING PROJECTS

Ryoma.ai
June 2024 - Current

- Principle Front End Engineer for a small cross-functional team
- NextJS, ReactJS, TypeScript, MaterialUI, NPM, ESLint, Webpack, etc
- AWS Cloud Development Kit (CDK), GitHub, and Websockets
- Under NDA, but in short, building an AI Chat interface

Portfolio Website
June 2023 - July 2023

- Needed a web presence, so built a portfolio resume on a modern tech stack instead of using a pre-packaged platform (ie WordPress).
  - NextJS, ReactJS, TypeScript, ESLint, Webpack, NPM, SASS, etc.
  - GitHub project, ticketing, and publishing
  - Built a "1-click" template for new projects that automatically builds out all these technologies

Previous Resume
Nov 2022 - Jan 2023

- In a bid to stand out from the crowd, created personal resume in HTML and CSS with a fallback PDF version
- Auto-detected browser functionality and integrated print styles to mimic a traditional printed word doc both on screen and on paper

Personal Server
2007 - 2015

- Started as a way to serve up a game screenshots and guild website created in college when money for hosting was scarce
- Became playground for learning; progressing from a VitualBox Ubuntu instance on main PC, through several migrations, to a tiny PC in my closet running a customized Apache server on CentOS
- Hosted old creations for a long time, before eventually being shelved in 2015 as too time consuming for the benefit