Shelley McHardy
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Software developer and certified ScrumMaster with a background in science education, motivated to leverage tech and teaching skills to create modern applications and experiences for learners and information seekers, and to make the web more beautiful and accessible.

TECHNICAL SKILLS

JavaScript, React, NodeJS, Redux, TypeScript, Cypress, Python, Agile Methodologies

EXPERIENCE

Software Developer
11/2023 - present
DG Technologies (remote)
- Refactored older React app to amplify v6, react-hook-form, consolidated external style components to Material UI, and improved time from login to dashboard page fully loaded from >4000 ms to < 900 ms.
- Wrote Cypress tests to increase code-coverage from 0 to 78%, fully automating tests with GitHub Actions.
- Increased Lighthouse accessibility score from 91% to 100%, currently working to reach WCAG 2.1 AA standards across the app.
- Implementing new features to the frontend such as integrating Stripe to allow customers to purchase products online, and improving data display tables.
- Work daily in AWS/CloudWatch/Cognito/DynamoDB to monitor and troubleshoot.
- Currently learning Python and contributing new features to the server.

Associate Software Developer
6/2022 - 3/2023
Rightpoint (remote)
- Created scripts in nodeJS that automated i18n tasks and saved developers time.
- Customized new features in React/TypeScript codebase such as list virtualization, speeding up rendering from 27 seconds to 300 milliseconds..
- Reviewed PRs, fixed bugs, CSS to match app design, git version control in an Azure DevOps repo, wrote Cypress tests and documentation.
- Became BigCommerce certified to support a new client.

Teaching Assistant & Mentor
11/2021 - 4/2022
2U, Georgia Tech Full Stack Flex Coding Bootcamp (online)
- Supported instructor and mentored students via zoom and slack.
- Managed course repo on Gitlab, reviewed and graded student projects.
- Assisted individual and student groups as they learned web development with JavaScript, APIs, various libraries, frameworks, and the MERN stack.

React Developer Apprenticeship
1/2022 - 3/2022
The Collab Lab (remote)
- Worked with a team of four to build a project using React, Tailwind CSS, and Firebase.
- Focused on collaboration based on Agile methodology, pair programming, code reviews, weekly retrospectives, and git version control.

Science Teacher
10/2010 - 5/2021
Gwinnett County Public Schools, Lawrenceville, GA
- Taught chemistry, forensics, and physical science to middle and high school students.
- Designed and presented workshops to teachers in topics ranging from building relationships with students to integrating technology in the classroom.

Chemistry Teacher & Curriculum Developer
8/2003 - 6/2010
Oakland Unified School District, Oakland, CA
- Taught chemistry to high school students.
- Served on the county team to develop chemistry pacing guide and benchmark assessment, and as a new teacher mentor.

VOLUNTEER

The Collab Lab, https://the-collab-lab.codes/
Board Member, Career Lab Manager
- Coordinate participants, presenters, and volunteers, schedule events, maintain repo.

Virtual Coffee, https://virtualcoffee.io/
Lunch & Learn Coordinator
- Coordinate presenters, schedule events.

PROJECT SAMPLES

Temperature Visualization | Repo: https://github.com/shelleymcq/temperature
Deployed: https://temperature-ivory.vercel.app/
- A tool for crafty users to find the high temperatures for a given US city in a particular year.
- A personal passion project that I've used myself to create special gifts for my mother and family friends. It's an easy task to get daily temperatures, but this app uses the NOAA Climate Data Online API to find historical temperature data for an entire year.
- Developed using NextJS, React, and TailwindCSS.

Smart Shopper | Repo: https://github.com/the-collab-lab/tcl-36-smart-shopping-list
Deployed: https://tcl-36-smart-shopping-list.web.app/home
- A shopping list app designed to learn how often you buy items and to keep you organized.
- As a member of a 4-person team with the Collab Lab , primary contributions were styling, displaying list items, and leading the team for the final self-directed weeks of the project.
- Developed using React, Firebase, and TailwindCSS.

EDUCATION

Bootcamp Certificate
Georgia Institute of Technology, Atlanta, Georgia
A 24-week intensive 2U program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Node Js, Jest, MySQL, MongoDB, Express, Handelbars.js, ReactJS, MVC, and MERN stack.

BA in Physical Sciences
University of California, Berkeley, CaliforniaCompleted core courses in chemistry and physics, as well as electives in computer programming, nuclear energy, atmospheric chemistry, and environmental data analysis.