Quinn Craddock

1142 Greystone Manor Parkway, Chesterfield, MO 63005
Phone: (636) 236-3447
Email: quinn.craddock@gmail.com
https://www.linkedin.com/in/quinn-craddock4/

Objective

Detail-orientated and highly motivated software engineer with a strong foundation in programming languages and problem-solving. Seeking opportunity to contribute to innovative projects, apply academic knowledge, and further develop technical skills in a collaborative and dynamic software development environment.

Ability Summary

Technical Skills

- Strong: JavaScript (ES6+), TypeScript, React, Node, Express, Cypress, Puppeteer, Electron, NoSQL (MongoDB), HTML5, Tailwind, Sass +CSS, Web Scraping, Apis, Axios, Git / GitHub, WebSockets
- Experienced: Docker, AWS (EC2, Beanstalk, RDS), CI/CD (GitHub Actions), Python, C#, SQL (PostgreSQL), NoSQL(Firebase),OpenCv, Redux, Go

Employment History

07/2023 - Current **Software Engineer**
Cydekick (Open Source), Chesterfield, MO

- Pioneered Cydekick, an innovative solution to expedite the Cypress test generation process for React-based applications, resulting in a 50% reduction in test case creation time.
- Developed the product's front end in React, facilitating component reuse and the creation of a dynamic modal for test option inputs, resulting in a significant reduction in the app's file size. Additionally, leveraged React's extensive package ecosystem to seamlessly integrate the Monaco Editor React package, enhancing the app with a code editor
- Built Cydekick as a desktop application within a Node runtime using Electron, providing direct access to users' file structures for seamless component hierarchy visualization and effortless Cypress test file exporting and editing
- Generated user tests in Cypress, selecting it for its newer component testing feature, popularity, and the goal of simplifying testing for a broader user base, given the absence of other similar tools
- Employed TypeScript to establish type safety in the application, facilitating early bug detection during development and enhancing code comprehensibility for future contributors
- Styled the app with Tailwind, leveraging its inline styling capabilities for enhanced code readability, and harnessing its utility classes to create an aesthetically pleasing and user-friendly interface

05/2020 - 05/2022 **Software Engineer Intern**
Technology Partners Inc, Chesterfield, MO

- Implemented an internal employee locating system leveraging Python and OpenCV for facial recognition and real-time employee location tracking using strategically positioned cameras, enhancing both employee location capabilities and overall security, with scalability for future feature enhancements

- Implemented Firebase for storing employee location data, enabling real-time visualizations on a virtual map and a custom search tool, significantly reducing coworker location search times from up to 15 minutes to mere seconds, thus boosting workplace efficiency
- Developed a JavaScript script to seamlessly transfer logged hours from Jira to our internal time tracking program, resulting in a weekly time savings of 20 minutes for each employee

Education History

Software Engineering Immersive
Vocational School Certificate
Codesmith, New York City, NY

Data Science
1 Year at College or a Technical or Vocational School
John Carroll University, Cleveland, OH

Relevant Coursework

- Statistics (R & Python)
- Computer Science (JavaScript)
- Data Science (R & Python)

College Prepartory/Computer Science
High School Diploma
Christian Brothers College High School, Saint Louis, MO

AP Computer Science
Software Engineering Co-op

Occupational Licenses, Certificates and Training

Honors & Activities

Talks

- **Browser Automation:** Its importance to all developers - 2023
    - Discussed the different ways developers can use effective browser automation tools such as Puppeteer, Cypress, and Selenium

Additional Information

Tech Projects
Software Engineer | ByteFyte - *An application to host competitive LeetCode duels*

- Leveraged Socket.IO-based WebSockets to establish an efficient and low-latency communication protocol, enabling features like private room creation, real-time messaging, and instant game state updates, ensuring a highly responsive and immersive competitive multiplayer experience
- Architected and modeled an SQL database for storing LeetCode-styled problems and user data, leveraging SQL's scalability and advanced query capabilities to significantly enhance our platform's performance

Software Engineer | TravelAgent - *Solution to help plan your vacations in a interesting format*

- Utilized Puppeteer to scrape dynamic websites such as Google Flights, effectively surmounting HTTP limitations, managing form inputs, and evading bot detection through the implementation of realistic user interactions
- Leveraged Express for handling back-end requests, which facilitated code modularization through

middleware functions. This method expedited back-end setup, offering a quicker and more efficient approach compared to the conventional routing development process

Software Engineer | Swell - *Trip itinerary tracker/planner web app*

- Implemented a full front-end testing suite with Cypress for code reliability and faster feature implementation, given its user-friendly setup compared to alternatives like the React Component Testing Library
- Achieved nearly 100% back-end test coverage by employing Supertest and Jest, bolstering code reliability, early issue detection, and system stability for enhanced application quality

Detailed References

Tracie Wolfmeyer , Global Employee Experience
Bayer
traciewolfmeyer@gmail.com
314-210-0331