Bay Chairangsaris

Frontend Software Engineer

(443) 875-4355 | bay.c.dev@gmail.com | Red Lion, PA

LinkedIn | GitHub | Recommendations

SKILLS

Frontend: Javascript, TypeScript, React, Redux, HTML5, CSS3, Styled-Components, Material UI, TailwindCSS, Responsive Design

Backend: Node, Express, MySQL, REST API, MongoDB, Mongoose

Testing: Jest, React Testing Library, Cypress

WORK EXPERIENCE

Frontend Engineer II, Mark43 (Remote - New York, NY)   *May 2021 - Oct 2023*

➢ Enhanced frontend application state and user interface using **React, Redux, TypeScript,** and **Styled-Components** within Computer Aided Dispatch (CAD) applications for dispatchers and first responders to accommodate multi-agency subdivision functionalities. This project helped the company secure **multi-million-dollar contracts**.

➢ Optimized the location classification workflow by removing unnecessary API usages, resulting in **74% reduction in API calls** and **significant cost savings**.

➢ Led spikes, conducted comprehensive research, and created technical planning for the EMS class parity project. This project impacted every aspect of our applications, from configuration settings to user interfaces. The project's success resulted in the **expansion of new clients** with EMS capabilities.

➢ Spearheaded the creation and management of engineering tickets for both frontend and backend tasks using JIRA from **project initiation to completion**. Successfully delivered the project within allocated budgets and timelines.

➢ Implemented a cutting-edge mobile-responsive first responder dashboard. Executed thorough **unit testing**, achieving **98% code coverage**, which included comprehensive **accessibility** tests using **Jest** and **React Testing Library**.

➢ Integrated **MixPanel** (product analytics library) throughout the dashboard to monitor user behavior, providing analytics insights for future UX enhancements.

➢ Developed 'Be On the Lookout' (BOLO) feature, enabling the creation, updating, and deactivation of BOLO events through extensive forms and validations using **React Hook Form** and **Yup**. Incorporated API integration and executed CRUD operations to meet feature requirements.

➢ Collaborated closely with international cross-functional teams, including engineers, designers, product owners, and QA engineers, to transform design concepts into fully functional products and achieve project goals.

➢ Reviewed Pull Requests and provided technical feedback to other engineers on a daily basis.

➢ Guided and supported junior engineers, including facilitating the onboarding process for new team members. Collaborated through paired programming sessions to enhance skill development. Authored comprehensive local development setup documents to streamline the onboarding experience for engineers.

Frontend Web Developer, [Baltimore Corps](#) (Hybrid - Baltimore, MD)   *Aug 2019 - Dec 2020*

- ➢ Developed the applicant tracking system user interface including resume generator, job posts, and applicant status tracker, using **React**, **Redux**, and **Material UI** to ensure a user-friendly and intuitive interface.
- ➢ Collaborated closely with stakeholders, transforming their pain points, needs, and requirements into effective **UX/UI designs**, resulting in improved user experiences.
- ➢ Implemented frontend unit tests using **Jest** and **React Testing Library**, enhancing code quality and reducing defects.
- ➢ Designed **API schemas** for new endpoints, optimizing data retrieval and enhancing system functionality.
- ➢ Provided exceptional customer support by promptly addressing emails and resolving issues, ensuring customer satisfaction.
- ➢ Worked in an **Agile** environment, actively participating in sprint planning, and daily stand-ups.

VOLUNTEER EXPERIENCE

Founder and Administrator, [Thai Programmers in USA Facebook Group](#)   *Jul 2020 - Present*

- ➢ Conduct weekly Zoom meetings to facilitate networking opportunities, provide guidance on resume and portfolio development, share learning resources, coordinate LeetCode practice sessions, and organize mock technical and behavioral interviews to enhance participants' professional development.

Speaker, [Women Who Code DC's Lunch and Leet](#)   *Nov 2023*

- ➢ Presented step-by-step problem solving techniques and provided a hands-on problem-solving session on LeetCode, introducing the application of the two-pointer technique.

Facilitator, [Girls Who Code Baltimore](#)   *Mar 2018 - Feb 2020*

- ➢ Guided and mentored girls from grade 6-12, in learning the fundamentals of programming and web development, fostering their skills and passion for technology.

EDUCATION

Community College of Baltimore County (Baltimore, MD)

Computer Science classes (OOP, Java, Python, and C++)

Rajamangala University of Technology Phra Nakhon (Bangkok, Thailand)

B.A. in English for International Communications

CERTIFICATIONS

[JavaScript Algorithms and Data Structures](#) - freeCodeCamp

[React (Basic)](#) - HackerRank