

Bay Chairangsaris

Frontend / Full-Stack Software Engineer

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

[LinkedIn](#) | [Portfolio](#) | [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

Software Engineer II, Software Engineer I

[Mark43](#) (Remote) *May 2021 - Oct 2023*

- Enhanced frontend application state and user interface using **React, Redux, TypeScript, and Styled-Components** within Computer Aided Dispatch (CAD) applications to accommodate multi-agency subdivision functionalities. This allows clients associated with multiple agencies to configure diverse subdivisions for each individual agency instead of each agency type.
- **Optimized** the location classification workflow, achieving a remarkable **74% reduction in API calls** and delivering **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, extending the scope of our services to encompass not only Fire and Law Enforcement but also the medical services.
- 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 by utilizing the latest internal UI library. Executed thorough **unit testing**, achieving **98% code coverage**, which includes comprehensive **accessibility** tests using **Jest** and **React Testing Library**. This initiative resulted in improved keyboard using accessibility for first responders and streamlined access to critical data within the dashboard.
- Integrated **MixPanel product analytics** throughout the dashboard to monitor user behavior, providing invaluable analytics 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.
- Utilized **feature flags** to ensure smooth rollouts of complex UI and state management changes while preserving existing functionalities.
- **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.

- Proactively identified, reported, and **resolved bugs**.
- Reviewed **Pull Requests** and provided technical feedback to other engineers on a daily basis.
- Operated in an **Agile** environment, actively participating in sprint planning, daily stand-ups, and retrospectives, which enabled the timely delivery of high-quality software and adaptability to changing requirements.
- Conducted **technical and behavioral interviews** for software engineers and interns.
- Regularly provided **technical and product support** on Slack to other engineers and customer support teams.
- **Demonstrated products** I developed to internal stakeholders.

Frontend Web Developer, Web Developer Intern

[Baltimore Corps](#) (Baltimore, MD) *Aug 2019 - Dec 2020*

- Developed the applicant tracking system user interface, using **React**, **Redux**, and **Material UI** to ensure a user-friendly and intuitive interface.
- **Collaborated** closely with internal 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.

EDUCATION

Community College of Baltimore County (Baltimore, MD)

Feb 2017 - Jul 2019

Computer Science (30 credits)

CERTIFICATIONS

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

Jul 2021

[React \(Basic\)](#) - HackerRank

Dec 2020

VOLUNTEER EXPERIENCE

Founder and Administrator of [Thai Programmers in USA Facebook Group](#)

Jul 2020 - Present

Speaker at [Lunch and Leet with Women Who Code DC](#)

Nov 2023

Facilitator at [Girls Who Code Baltimore](#)

Mar 2018 - Feb 2020