

Bay Chairangsaris

Frontend / Full-Stack Software Engineer

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

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

SKILLS

Frontend: HTML5, CSS3, TypeScript, Javascript, ES6, React, Redux, Redux-Observable, Styled-Components, Material UI, ChakraUI, TailwindCSS, Responsive Design

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

Testing: Jest, React Testing Library, Cypress

WORK EXPERIENCE

Frontend Engineer II, Mark43 (Full-Time - Remote)

Apr 2022 - Present

Frontend Engineer I, Mark43 (Full-Time - Remote)

May 2021 - Apr 2022 (1 Year)

- Developed responsive, real-time frontend web applications for dispatchers and first responders using React, Typescript, and styled-components while leveraging an internal UI library to ensure accessibility.
- Composed complex forms and validation logic using Yup in combination with React Hook Form.
- Proficiently utilized APIs and real-time data to perform CRUD (Create, Read, Update, Delete) operations, presenting data through diverse forms, components, and tables..
- Wrote comprehensive unit tests and component tests, achieving 95%+ code coverage using Jest, React Testing Library, and Cypress.
- Managed application state using React Hooks, Redux, and Redux-Observable.
- Optimized performance through the use of selectors from Reselect and React Hooks such as useMemo, useCallback, and React.memo.
- Utilized feature flags to ensure smooth rollouts of complex UI changes while preserving existing functionalities.
- Collaborated closely with cross-functional teams, including engineers, designers, product managers, and QA engineers, to transform design concepts into fully functional products and achieve project goals.
- Converted JavaScript to TypeScript to enhance code quality and maintainability.
- Worked with icons, SVGs, GIFs, and integrated them into Esri maps.
- Reduced unnecessary and expensive API calls, resulting in cost savings for the company.
- Performed spikes and technical planning for a new project.
- Proactively identified, reported, and resolved bugs.
- Reviewed Pull Requests and provided 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 engineering interns and software engineers.
- Contributed to the company's internal design system library by developing reusable components, documenting use cases, and providing examples using Storybook and NPM publishing.
- Regularly provided technical and product knowledge support on Slack to other engineers and customer support teams.
- Conducted demonstrations of products I developed and implemented to internal staff.

Frontend Web Developer, Baltimore Corps (Contract - Baltimore, MD)

Jan 2020 - Dec 2020 (1 year)

Web Developer Intern, Baltimore Corps (Internship - Baltimore, MD)

Aug 2019 - Dec 2019 (5 months)

- Developed the application tracker 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 structures 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, daily stand-ups, and retrospectives.

EDUCATION

Community College of Baltimore County, Baltimore. MD
Computer Science (30 credits)

Feb 2017 - Jul 2019

CERTIFICATIONS

[JavaScript Algorithms and Data Structures Certificate from Free Code Camp](#)

Jul 2021

[React \(Basic\) Certificate from HackerRank](#)

Dec 2020

VOLUNTEER EXPERIENCE

Founder and Administrator of [Thai Programmers in USA Facebook Group](#)
[Girls Who Code Facilitator](#)

Jul 2020 - Present

Mar 2018 - Feb 2020