

Bay Chairangsaris

Frontend / Full-Stack Software Engineer

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

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, [Mark43](#) (Remote)

May 2021 - Oct 2023

- 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 mid-size 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](#) (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 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)

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