Bay Chairangsaris

Frontend / Full-Stack Software Engineer

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[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

Software Engineer II, Mark43 (Full-Time - Remote)
May 2021 - Present

➢ 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.
➢ Rotated on-call duties, monitored API usage and resource activities, reproduced issues, and identified root causes. Troubleshooted issues with other engineers and incident managers.

- ➢ Documented on-call incidents in postmortem documents, leading to actionable improvements to prevent future incidents using Confluence.
- ➢ 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   *Feb 2017 - Jul 2019*
Computer Science (30 credits)

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   *Jul 2020 - Present*
Girls Who Code Facilitator   *Mar 2018 - Feb 2020*