



TAI PHAM

Software Developer

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EDUCATION

University of Colorado Boulder (Boulder, CO)
Bachelor's Degree in Computer Science (2020)

Galvanize Hack Reactor Bootcamp
Full-Stack Software Development 2021

- 30-week online, part-time bootcamp focusing on core computer science principles and mastering both back-end, front-end and database technologies.
- Developed full-stack web applications utilizing JavaScript, Node.js, Express.js, and MySQL, while adhering to the MVC software design pattern, and leveraging the React framework.

TECHNICAL SKILLS

- **Programming languages:** C#, C++, Python, JavaScript, TypeScript, Java
- **Frameworks/libraries:** ReactJS, Node.js, express.js, redux, HTML/CSS, Stencil.js, JQuery, Webpack, StoryBook for React
- **Databases:** MongoDB, MySQL, GraphQL
- **Skills:** Agile project management, Git

SUMMARY

I am experienced Software Engineer, specializing in **front-end** development with **JavaScript, TypeScript, and React**. I'm skilled at managing state with **Redux, using React Hooks**, integrating **REST APIs**, and writing **tests** with **Jest** and **React Testing Library** to ensure the code remains reliable and bug-free. I also have hands-on experience with full-stack development using **Node.js, Express.js, Python, SQL**, and **CI/CD** tools like **GitHub** and **Azure**. I'm comfortable working in **Agile** and **TDD** environments, have a knack for solving tricky bugs, and enjoy working with **cross functional teams** to turn ideas into real projects.

WORK EXPERIENCE

Software Developer

General Motors, January 2022 - Present

- Developed customer-facing front-end features with **React** for GM's **e-commerce** platform, driving over \$5 million in monthly revenue with over a million site visits.
- Implemented **RESTful APIs** and **API caching** using **Node.js**, greatly enhancing user experience and engagement by reducing page load times by 60%.
- Facilitated a UX redesign in **collaboration** with **UI/UX designers and product managers**, improving customer satisfaction and increasing conversion rates by 30%.
- Led **code reviews** focused on styling and design, advocating for best practices in styling and promoting design thinking principles.
- Utilized HCL Commerce as a **CMS** to efficiently develop and **integrate APIs**, enhancing e-commerce functionalities and improving **authorability** for business users.
- Utilized **Jest** and **React Testing Library** for front-end **unit and automation testing**, ensuring high code quality and reliability, and contributed to improving digital product quality through rigorous testing practices..
- Conducted and resolved UI **security scans** with tools like **Black Duck** and **Fortify**, ensuring data integrity and user privacy.
- Led feasibility research on migrating to **micro frontend** architecture using **Stencil** and **TypeScript**, contributing to the development of the team's first micro frontend component
- Worked closely with the **DevOps team** to streamline the **deployment process using GitHub and Azure**, enhancing the efficiency and reliability of deploying updates across multiple environments

PROJECTS

Ecommerce website

- Crafted custom React class component in a **Service-Oriented Architecture (SOA)** approach.
- Created each component state using **redux** as a centralizing application state.
- Architected **MongoDB** schema and Express RESTful API to manage **CRUD** operations to be used by multiple services to help facilitate rapid feature development.

United StoreFront

- Led the **integration of two separate web applications**(Parts/Accessories site) into a **single storefront**.
- Enabled features such as shared cart, shared catalog, and shared cookies across both sites, noticeably reducing development time by around 50%.