Tai Pham

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Software Developer with a focus on front-end development using **JavaScript, TypeScript, and React**. Skilled in state management with **Redux**, **React Hooks, REST API** integration, and maintaining codebases with **Jest and React Testing Library**. I also have full-stack experience with **Node.js, Express.js, OOP, Python, SQL,** and **CI/CD** tools like **GitHub and Azure**. I thrive in **Agile** and **TDD** environments, excel at **debugging** complex issues, and enjoy **collaborating** with **cross-functional teams** to bring projects from concept to production.

Work Experience

- **General Motors,** Software Engineer   (January 2022 - September 2024)
  - 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 using **CSS**, advocating for best practices in **BEM,** resulting in 20% less styling bugs in 2023.
  - Utilized HCL Commerce as a **CMS** to develop and **integrate APIs**, enhancing e-commerce functionalities and **improving authorability** for business marketing users.
  - Utilized **Jest** and **React Testing Library** for front-end **unit and automation testing**, ensuring high code quality and reliability.
  - Conducted and resolved **UI security scans** with tools like **Black Duck** and **Fortify**, ensuring data integrity and user privacy.
  - **Debugged** and resolved front-end high ticket items every sprint, accelerating deployment schedules.
  - 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.**

Education

- **University of Colorado at boulder**, *college of arts & sciences*   **Boulder, CO** *B.A in Computer Science*
- **Galvanize Hack Reactor full stack software development bootcamp**
  - 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

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 RESTfull 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 at GM. Enabled features such as shared cart, shared catalog, and **shared cookies** across both sites, noticeably reducing development time by around 50%.

Technical Skills

Programing language: C#, C++, Python, JavaScript, TypeScript , Java
Frameworks: ReactJS, jQuery, Node.js, express.js, redux, HTML/CSS, Stencil.js
Databases: MongoDB, MySQL, GraphQL
tools: Git, agile, webpack