

Summary

Passionate **Senior Front-End Developer** with **7+ years** of experience building **high-performance, scalable, and accessible** web applications. Demonstrated success in delivering complex projects using **React, Next.js, Vue, TypeScript, Node.js, and GraphQL**, with specialized expertise in **UI performance optimization, secure coding practices, and responsive design**. Skilled at **leading front-end teams**, mentoring engineers, and partnering with cross-functional stakeholders to launch impactful products. Proficient in **leveraging AI-powered development tools** to accelerate delivery, enhance code quality, and drive innovation.

Tech Stack

- **Languages & Syntax:** JavaScript | TypeScript | Python | Java | HTML | CSS3 | ES6 | Tailwind
- **Front-End:** React | Redux | Next.js | Vue | Vuex | React-Native | WebRTC | WebSocket | Three.js | D3.js
- **Back-End:** Node.js | Express | MongoDB | Redis | MySQL | Restful API | GraphQL
- **AI Tools:** GitHub Copilot | ChatGPT | Claude.ai
- **Cloud & Testing:** AEM | AWS | Unit Test | End-to-End Testing | Integration Testing

Experience

Walmart Lab - Senior Front-End Developer

Apr 2024 – Current

- Tech Stack: **JS, TS, React, Next.js, Hooks, SASS, Tailwind, Node.js, Express, ES6, GraphQL, Unit Test, and Integration Test.**
- Led development of **high-impact features** for Lists & Registry platform, including **Promotion Feature, Explore Page, Favorite List, Reusable Tempo Components, and Subscription Item Page**, while partnering with **cross-functional teams** to deliver on tight **timelines** and maintain **high code quality**.
- **Directed the consolidation** of three regional GraphQL servers (U.S., Mexico, Canada) into a **unified LAAS middleware** for Lists & Registry, **improving integration efficiency and reducing infrastructure costs by 30%**.
- **Leveraged AI tools** like **Copilot** and **ChatGPT** to accelerate feature **development**, generate **tests**, and streamline code **reviews**, boosting overall development **efficiency by 20%**.
- **Mentored** mid-level developers through code reviews, knowledge-sharing sessions, and task delegation, which **improved code quality** and increased developer **productivity**.

AutoDesk - Senior Front-End Developer

Jan 2022 – Feb 2024

- Tech Stack: **React, Redux, Hooks, React-Query, SASS, CSS3, Bootstrap, Node.js, Express, JavaScript, Typescript, ES6, Google Analytics, MongoDB, AEM, Restful API, GraphQL, Unit Test, and Functional Test.**
- **Oversaw development and maintenance of several payment system components**, including checkout, payment, address, summaries, and invoice pages.
- **Enhanced payment page efficiency by 30%** by utilizing **useCallback, useMemo** to **reduce re-render**, and using **AEM** to optimize web response time and **GraphQL** to reduce the number of API calls.
- **Implemented GraphQL** to manage comprehensive data from various data sources efficiently. This optimization **reduced 50% of API calls to the server** and **30-40% of data** transmission from the server.
- **Unit test** components and utilities with **Jest**, and conduct **Functional tests** for web flows and React components using the **Cypress** testing framework.
- **Mentored 3+** engineers, both on the tech side and career path.

LogDNA - Front-End Developer III

Jan 2020 – Jan 2022

- Tech Stack: **JavaScript, ES6, Vue.js, Vuex, SASS, CSS3, Node.js, Express, Restful API, Webpack, WebSocket, MongoDB, Redis, Unit Test, and Functional Test.**
- Developed a dashboard component by utilizing **Vue Chart.js** to generate canvas for various logs with timestamps and counts.

- **Led 3 engineers** to implement **Drift Chat** services into the application, effective communication and coordination across PD, UI/UX, Engineering, and Customer Service teams. This resulted in a **50% reduction in customer load**.
- **Led 3 engineers** to implement **Stripe payment** services by using **Stripe payment APIs** to create **invoices, plans, subscriptions**, and others for various use cases.
- Unit test components and utilities with **Jest**, and conduct functional tests for web flows and Vue components using the **Cypress** testing framework.
- Store and maintain user info in **MongoDB** with **Nodejs, Express, RESTful API**, and **Mongoose**.
- **Mentored** 3+ engineers, both on the tech side and career path.

Sam's Club - Front-End Developer II

Jun 2019 – Jan 2020

- Tech Stack: **React, Redux, SASS, CSS3, Bootstrap, Nodejs, Express, JavaScript, ES6, Webpack, Microservices Architecture, Micro Front-End Architecture, and Restful API**
- Responsible for login and registration page, two-factor authentication, and reset password flows
- Responsible for the membership page, join membership page, and payment methods.
- Developed a website using **Microservices Architecture**, reaching different data from different services, such as the authorization service for login page, the payment service for authorized payments, and so on.
- Build communications between servers by using **GraphQL** to pass specific nested data.
- Unit Test website component by using **Mocha, Enzyme**, and Functional test with **Nightwatch.js**

Apple - Front-End Developer

Jul 2018 – Jun 2019

- Tech Stack: **React, Redux, SASS, CSS3, Bootstrap, Node.js, Express, JavaScript, ES6, JQuery, Webpack**, and **RESTful API**.
- **Develop React Library** with **dynamic designing structure** and publish it on NPM.
- Design the website structure using **HOC** and **pure components** to build a website based on a JSON file.
- Set up the back-end with **Node.js** and **Express** to react the data from the server with react **socket**, and auto push the data to every linked client side.
- **Led 2 engineers** to develop a new website from scratch, which can **dynamically customize website** structures, themes, and content layouts based on user settings.
- Use **Code-splitting** with **Webpack bundler** and **Dynamic Imports** code design for **Lazy-Loading** to maximize website performance.
- Use RESTful API to communicate with the server at the back end to fetch life data every 5 seconds.

EDUCATION

B. S. Computer Science, University of Arizona, AZ

2013-2017