

EDUCATION:

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

2013-2017

TECHNICAL:

- **Languages:** JavaScript | TypeScript | Python | Java | HTML | CSS3 | ES6
- **Frameworks & Libraries:** React | Redux | Next.js | Vue | Vuex | React-Native | Node.js | Express | Three.js | D3.js
- **Database & APIs:** MongoDB | Redis | MySQL | Restful API | GraphQL
- **Cloud & Testing:** AWS | Unit Test | End-End Testing | Integration Testing

Experience:

Walmart Lab - San Jose - Senior Front-End Developer

Apr 2024 – Current

- Developing list and registry service and web page by utilizing **React, Hooks, React-Query, SASS, CSS3, Nodejs, Express, JavaScript, Typescript, ES6, GraphQL, Unit Test and Functional Test.**
- Implemented multiple new features for Lists and Registry leveraging the React library, including the creation of shared components, managing complex data flows within components, and fetching data via GraphQL. Ensured robust functionality through integration and unit testing before deploying to the production environment.
- Developed List and Registry data for three distinct regions using GraphQL, facilitating seamless data transfer and integration between back-end and front-end systems.
- Designed and developed features at the architectural level, focusing on enhancing web performance, scalability, and code reusability.
- Mentored mid-level developers by conducting code reviews, facilitating knowledge transfer, assigning tasks, and collaborating on new initiatives to foster team growth and efficiency.

AutoDesk - San Jose - Senior Front-End Developer

Jan 2022 – Feb 2024

- Developed the Payment System and product page utilizing **React, Redux, Hooks, React-Query, SASS, CSS3, Bootstrap, Nodejs, Express, JavaScript, Typescript, ES6, Google Analytics, MongoDB, AEM, Restful API, GraphQL, Unit Test and Functional Test.**
- **Oversaw developing and maintaining 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 - Mountain View - Front-End Developer III

Jan 2020 – Jan 2022

- Developed LogDNA website applications with **JavaScript, ES6, Vue.js, Vuex, SASS, CSS3, Nodejs, Express, Restful API, Webpack, MongoDB, Redis, Unit Test, and Functional Test.**
- Developed dashboard component by utilizing **Vue Chartjs** to generate canvas for various logs with timestamp and count.
- **Led 3 engineers** to implement **Drift Chat** services into the application, effective communication and coordination across PD, UI/UX, Engineer, and Customer Service teams. Resulting 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.

- Store and maintain user info in **MongoDB** with **Nodejs, Express, RestFul API**, and **Mongoose**.
- Unit test components and utilities with **Jest**, and conduct functional tests for web flows and Vue components using the **Cypress** testing framework.
- **Mentored** 3+ engineers both on the tech side and career path.

Walmart Labs - Sunnyvale - Front-End Developer II

Jun 2019 – Jan 2020

- Developed Sam's Club websites with **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 membership page, join membership page, and payment methods.
- Developed a website using **Microservices Architecture**, reaching different data from different services, such as authorization service for login page, 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 - Sunnyvale - Front-End Developer

Jul 2018 – Jun 2019

- Develop several websites with **React, Redux, SASS, CSS3, Bootstrap, Nodejs, 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.