Austin Wang

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SUMMARY

Enthusiastic and detail-oriented Full-Stack Developer with over 3 years of experience in front-end, back-end, and mobile application development. Demonstrated proficiency in building responsive UI/UX designs, integrating RESTful APIs, and collaborating within agile development teams. Adept at transforming business requirements into functional software solutions, backed by comprehensive testing and performance optimization methodologies.

SKILLS

- **Front-end**: React with Hooks and Redux, Vue.js, Next.js, Angular, SCSS with BEM methodology, Tailwind CSS, Material UI, Bootstrap
- **Back-end**: Node with Express, Meteor, Django, RESTful API Integration
- **Database**: MongoDB, Mongoose ODM, PostgreSQL, Firebase Realtime Database
- **Mobile**: Android Studio (Java), React Native
- **Testing & CI/CD**: Jest, React Testing Library, Enzyme, Espresso, Junit, Jenkins, Docker
- **Tools**: Git, GitHub, Figma, Agile methodologies

WORK EXPERIENCE

Antra | Remote | Front-End Developer | Jun 2022 – Jun 2023

Project Name: PatUI Component Library Development
Project Detail: Actively participated in developing the PatUI web suite, focusing on creating reusable React components, refining styles with SCSS, and ensuring rigorous unit testing and CI/CD integration.

- Dove deep into modern front-end development, understanding the intricacies of frameworks such as **Next.js** for server-side rendering, **Vue.js** for reactive UI, and advanced styling techniques with **SCSS** and **BEM methodology**.
- Contributed to the development of the **PatUI** project, assisting in creating efficient, reusable, and maintainable UI components using **React** with **Hooks** and **Context API**.
- Supported the team's decision to adopt **SCSS** as a CSS pre-processor, helping in the utilization of **variables**, **mixins**, and **nested rules** to enhance stylesheet maintainability and modularity.

- Assisted in maintaining strict code quality by participating in unit tests using tools like **Jest**, **React Testing Library**, and **Enzyme** to validate component behaviors and user interactions.
- Participated in the **CI/CD** process, aiding in the integration of **Jenkins** and **Docker** to ensure consistent and error-free deployments across different stages.
- Worked alongside UX/UI designers to convert design mockups from **Figma** and **Adobe XD** into interactive web pages, striving for accuracy in design implementation.
- Collaborated with the team using **Git** and platforms like **GitHub**, facilitating code reviews, and supporting seamless feature integrations.
- Engaged in **weekly agile ceremonies**, actively participating in **sprint planning**, **stand-ups**, and **retrospectives**, providing feedback and ensuring that tasks were progressing as planned.

Boston Planning & Development Agency | Boston, MA | Full-Stack Developer | Sep 2021 – May 2022

Project Name: Boston Streetwise Dashboard
Project Detail: Participated in developing an interactive map-based dashboard for Boston street management, encompassing front-end, backend, design collaboration, and secure authentication features.

- Contributed to front-end development using **React** with **Hooks** and **Redux** for state management; employed **Tailwind CSS** with **PostCSS** plugins for efficient styling.
- Worked closely with an intern designer, assisting in refining design concepts and turning **mock-ups** created in **Figma** into interactive web components.
- Engaged in backend development, using **Node** with **Express**, and integrated **MongoDB** for efficient data storage and retrieval; ensured data integrity with **Mongoose ODM**.
- Assisted in implementing user authentication and authorization processes, leveraging **JWT** for token-based authentication and **Bcrypt** for secure password hashing.
- Played a role in deploying and monitoring the application on **Heroku**, ensuring smooth operation and handling any potential scalability concerns.
- Actively took part in regular **code reviews**, optimizing application performance and ensuring adherence to best coding practices using tools like **ESLint** and **Prettier**.
- Participated in **agile development processes**, attending **daily stand-ups**, and collaborating effectively with team members to address project hurdles.

BoardX | Remote | Full-Stack Developer | May 2020 – May 2021

Project name: Collaborative Digital Whiteboard

Project Detail: Assisted in building a dynamic homepage and a collaborative office feature using Meteor, Angular, and PostgreSQL, enhancing real-time multi-user interactions and broadening audience reach with bilingual support.

- Participated in the development of the company homepage using **Meteor** with **Angular**, incorporating a responsive design using **Material UI** components.
- Assisted in the integration of the **i18n** library, enabling dynamic homepage translation between **English** and **Chinese**, ensuring a broader audience reach.
- Engaged in the design and implementation of real-time data models in **PostgreSQL**, powering a collaborative office feature that enhances teamwork.
- Worked alongside the team to utilize **Angular**, leveraging **websockets** for real-time mouse tracking, facilitating seamless multi-user collaborative editing experiences.
- Regularly received constructive feedback and **mentorship** from senior developers and the founder, delving deeper into advanced **code optimization techniques** and understanding the latest industry best practices.

PROJECTS

Android Rnning App | Coursework Project

Project Detail: Collaboratively developed an Android running app using Java, integrating real-time data synchronization, social sharing, and comprehensive testing methodologies for an enhanced user-centric experience.

- Employed **Java** in **Android Studio**, integrating **Google Maps API** for map rendering and accessing device hardware APIs to capture real-time motion data.
- Leveraged **Firebase Realtime Database** for real-time data synchronization and **SharedPreferences** for local data persistence.
- Crafted a responsive UI/UX design using **XML layouts**, **custom views**, and **Material Design principles** for a cohesive look and feel.
- Integrated **APIs** for social sharing, enabling users to boast about their running milestones on platforms like Facebook and Twitter with ease.
- Conducted thorough testing using **Espresso** for UI testing and **JUnit** for unit testing, ensuring seamless performance and optimal user experience.

Python Investment Analysis Tool | Collaborative Project

Project Detail: "Auto Monkey" - A multifaceted stock analysis platform, blending technical indicators, fundamental insights, and portfolio backtesting to guide user's informed investment decisions.

- Worked closely with four business school colleagues to craft "Auto Monkey," a comprehensive stock analysis tool enabling both technical and fundamental analysis alongside strategic portfolio optimization.
- Developed a responsive dashboard interface employing Python's **Streamlit** and **Plotly** libraries, prioritizing real-time data visualization and user interactivity.
- Integrated the power of **TA-Lib** Python library, providing users with over 150 **technical analysis functions**, from moving averages to Bollinger Bands, to guide data-driven investment choices.
- Leveraged the **Backtrader Python framework** for strategy testing and validation, offering users the capability to simulate portfolio performance based on historical data patterns.
- Seamlessly connected to **Financial Modeling Prep API** using **RESTful requests**, ensuring users have consistent access to updated stock market insights.

EDUCATION

Boston University

B.S. in Computer Science   Sep 2018 – May 2022