Robert Huo

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Address: Brunswick, VIC 3056
Visa Status: Permanent Resident

SUMMARY

- Skillful **Full Stack Developer** with experience of the clean code principle and coding standards.
- More than 3 years hands on developing experience on full stack web applications in Agile environment, Single page application, responsive page, RESTful api, Cloud Service, Test Driven Development etc to build **readable**, **reusable**, **testable**, and **maintainable** high quality code.
- Passion of new technologies which could improve performance, and apply them in a short time, with devising a systematic plan and routine working towards deliverable and successful outcomes.
- Actively listening, engaging and relating to delivery effective messages through verbal or written. Passionate about sharing my knowledge with others, do as a concise and effective team player in **Agile team**.

TECHNICAL SKILLS

- **Front-end :** HTML, CSS3, ES6, javascript(ES6/VanillaJS), Sass/Less, Bootstrap, Material Design, Reactjs(Nextjs and GatsbyJS), React Native, Redux, immutableJS, Styled-components, Typescript, React Router, React Navigation, React-redux, redux-thunk, jQuery, Ant Design, JWT, Auth0, Responsive Web Deisgn, axios, Bebel
- **Back-end:** Nodejs(Express), LoopBack ,GraphQL, npm, webpack, Java, Python, PHP, Spring, Springboot
- **Database :** SQL, NoSQL, MySQL, MongoDB
- **API:** RESTful API, Api Design, Google API, GraphQL/ApolloLoopBack, GraphQL, JSON,Postman, Ajax
- **Testing:** Jest and Mocha
- **Cloud:** AWS EC2, S3, ECS, route 53, cloudfrount, Lambda, Heroku, Azure, Firebase
- **Version Control:** Git, Github, Bitbucket
- **Methodologies:** Agile, Scrum, Kanban, Waterfall, Trello, TDD, Design Patterns,NPM, Docker

PROFESSIONAL EXPERIENCE

Jan 2020 – Now   **JRAcademy**   **Full Stack Developer**
- Participate in the design and implementation of refactoring the crowd-flow and SEO well-performance website.
- Use **Keystone** framework to develop and maintain **NodeJS** server, including getting data from **MongoDB** during webpage initialization period, post data into **MongoDB** with type validation. Refactor and building new data models to make a better UI performance.

- Build web applications by using **ReactJS**, **Jquery** and **Vanilla JS**, use **SASS** to compile CSS styles and use **pug** to compile **HTML** websites.
- Using **JIRA** to manage work flow, work with an **Agile** team.
- Implemented the new design of the career-coaching page and the homepage via working closely with the UI designer and the business analyst, , make **responsive** pages adjust to multiple mobile devices including iphone, ipad, galaxy, pixel and moto, doubled monthly page visits after the release.
- Using **Bitbucket** to make version control, **eslint** and **prettier** to control code format.

May 2018 – Jan 2020   **Kinly Beauty**   **Full Stack Developer**
- Built and maintain 3 websites following the business requirements.
- Work with designer to adjust appearance of existed websites and design the appearance of new website.
- Work with marketing team to improve website performance and attracted new customers.

Front-end
- Following **mobile first** principle, refactored un**responsive pages** to adjust popular phone screen, for example, iphoneX.
- Refactored JQuery into **SPA** with **ReactJS** which increased 40% response speed.
- Managed states by **Redux** and **Redux-thunk**, which increased developing efficiency.
- Adjust website appearance by **styled-components**, which increased 50% page traffic.
- Packaged resources by **webpack**, increased homepage loading speed.
- Use React-Router to manage front-end router and page jumps.

Back-end(Node: Express)
- Encrypted communication messages between front end and backend by **SHA256**, improved the **security** of the website.
- Verified by **JWT**, which improved website performance.
- Send email notifications by Node Mailer and store user info into **MongoDB**, which increased return visit of customers and business volume.
- Refactored RESTful APIs to **GraphQl API,** which increased query efficiency for 30%.

Code management and website operation
- Uniform coding styles and git history by **eslint**, **prettier**, **commitlint** to keep the team in sync, which could make the team find the bug faster.
- Implemented **Unit test** by following **TDD principle** and accomplished covering all major functions and around **90%** of codebase.
- used **Google Analytics** to analysis user behavior, and report to marketing team, which increased user volume.

Jan 2020 - Jul 2020   **Monash University Full Stack Flex**   **Tutor**
- instruct full stack developing languages and frameworks, popular design patterns and developing concepts, testing framework and other relevant full stack developing knowledge.
- guide students to solve problems, encourage students to seek knowledge by using multiple online tools, deepen their understandings of full stack developing.

Oct 2015 – Feb 2016   **IBM China**   **Software Engineer**
- Written in Java, Javascript, HTML, CSS and organized by Agile, the project was developed for Coco Cola and P&G.

- Make JUnit test and black box test.
- Organize and communicate team agenda, prepare test plan and cases.

Dec 2016 - Present   **Freelancer**   **Full-stack Developer**
- Developed some open sourced projects based on **ReactJS**, **NodeJS**(Express), **MongoDB**.
- Implemented several demos to embrace current tech-trend such as **GraphQL, Hook, MQ**.
- The projects are deployed on PaaS solutions such as **Heroku**, **Netlify**

1. AllFin APP(IOS)
- Has business project potential.
- Used **React Native** to adapt IOS and Android.
- Implemented basic functions of news app, including getting plain HTML text from backend by **RESTful APIs()**, adjust font-size of detail pages by sliding bar.

2. Weather App   (https://weather-inquire.netlify.com/)
- Has business project potential.
- Followed High cohesion & Low coupling principle to build a weather inquire APP including adding favourite cities function and **single sign-on application**.
- Backend deployed on **AWS(EC2)**, configured **Docker** as Linux container
- Friendly designed UI, which could be reused easily.

3. Warhammer Player Community (https://warhammer-community.netlify.com/)
- business project used for warhammer players social contact.
- Backend deployed on **Heroku.**
- Friendly designed UI, which could be reused easily.

4. Pizza-Online-order (https://pizza-online-order.netlify.com/)
- business project used for online pizza order.
- Backend deployed on **Heroku,** which sends user's info and pizza info to chef through email
- simplified UI with input validators, which could keep users making valid input.

QUALIFICATION

03/2016 – 12/2017, University of Melbourne – Master of Information Technology

09/2011 – 07/2015, Jilin University – Bachelor of Computer Science and Technology