SHIYU WANG

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Summary

Software Engineer with hands on experience in designing, developing and maintaining applications as well as mentoring. Possesses diverse experience of creating multiple highly scalable applications using different tech stacks. Adept at understanding the requirements and delivering projects accordingly. Demonstrates the capability of maintaining code by fixing bugs as well as conducting end to end testing. Highly skilled at problem solving to ship mature products within deadlines. Looking forward to applying the acquired gamut of skills in a challenging role.

Technical Skills

Languages
JavaScript, Java, HTML, CSS/SASS, SQL, NoSQL

Frameworks/Libraries
React.js, Vue.js, Angular 2+, Redux, React Native, jQuery, Node.js, Spring, Jest, TypeScript

Database
MySQL, MS SQL Server, MongoDB, SQLite

Development
Object Oriented Programming, Test-Driven Development, Agile Software development

Tools/Services
Git, JIRA, Telerik, VS Code, Android Studio, Heroku, AWS, Docker, Nginx

Education

Northeastern University Boston, MA
M.S. Computer Science   2016 - 2017
Northeastern University Boston, MA
B.S. Computer Science   2012 - 2016
Minor in Math

Professional Experiences

Urban League of Eastern Massachusetts   Roxbury, MA
Program Instructor - Full Stack Development   Mar.2018 - Present
A nonprofit organization offering programs and services to every participant. Facilitating an array of skills-training classes and workshops.

- Built and maintain company official web application for 1,000+ users
- Instructed students **full-stack** development to become entry-level engineers
- Designed curriculum of **MERN stack** development course
- Designed & Developed students **management system** to help tracking and managing students
- Collaborated with corporations, such as Google, MIT, Amazon Education and Wayfair to provide opportunities, workshop and resources for students

SourceOne Inc.   Boston, MA
Business Solution Developer   Jul.2014 – Dec. 2015
A nationally recognized energy consulting firm providing energy management, engineering, and owner's representative services

- Worked on the front-end design and development of web portal development with **JavaScript**, **Durandal.js** and **Telerik**
- Managed **Microsoft SQL** server to update data structure and created procedures to support data for web portal
- Created dynamic **Telerik** and **DevExpress** Reports from **SQL Server** for company and clients
- Improved performance and **UX** of web portal for clients
- Debugged web application to fix issues causing by different browsers

Professional Projects

MSIMBO Students Management System   Mar. 2018 - Present
http://www.msimbo.org/
- Tech Stack:
    - HTML5, CSS3, JavaScript, React, React Hooks, React Native, Redux, Node, JSON, Git, MongoDB, Express, JWT, RESTful API, Jest
- Designed and implemented students management system from scratch to help tracking and managing students
- Applied **Redux** to manage the states and properties
- Implemented **JSON Web Tokens** for authentication
- **Fixed 60+ bugs** to ensure smooth and functioning of the applications

ULEM Official Website   Feb. 2019 - Present
https://www.ulem.org/
- Tech Stack:
    - HTML5, CSS3, JavaScript, React, Redux, Node, NPM, JSON, Git version control, NoSQL MongoDB, Express, RESTful API, Jest
- Created the company official **web app & hybrid mobile app** from scratch
- Maintained the application on **AWS** for 1,000+ monthly users
- **Fixed 30+ bugs** including multiple front-end responsiveness bugs

E-Commerce Clothing Store   Jan. 2020 – Present
https://e-cloth.herokuapp.com/
- Tech Stack:
    - HTML5, CSS/SASS, Styled-component, JavaScript, React, Redux, Reselect, Redux Saga, Redux Persist, Firebase, Jest, Node.js, Express.js
- Created the online clothing shopping **web app** from scratch
- Connected Front end with **Firebase** to manage **authentication with** email or google **account**
- Managed user and shopping **data** with **NoSQL database** in Firebase
- Managed and improved performance and with **Reselect** and **Redux Saga**