

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

Program Instructor - Full Stack Development

Roxbury, MA

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.

Business Solution Developer

Boston, MA

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, Angular, 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
- Created **React Native** mobile application for the system
- 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 on Bootstrap

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**