

Hongxin Wu

Bay Area, CA

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Summary

Strong experience in building high performance web applications. Proficient in full stack JavaScript development. Familiar with Spring framework and Java based backend development. Constantly curious about new technologies and concepts. Desire to learn new skills and grow. Enjoy building quality applications with clean code and detailed docs. Eager to bring improvements by leveraging better technologies.

Experience

Personalized Beauty Discovery, Inc.

San Mateo, CA

SOFTWARE ENGINEER II

Apr. 2019 - Present

- Developed an internal web portal using vanilla **HTML/CSS/JavaScript** for visualizing tree-like user experience configurations and delivering an end to end configuration editing experience.
- Designed and built a feature that recognizes CMS assets in the **GraphQL** response and retrieves corresponding IDs, then integrated it with a custom **chrome extension** to allow highlighting CMS contents directly in web pages served by the **Next.js + GraphQL** platform.
- Worked in a 4-member team to build and launch a new single-page application platform which consists of a **kotlin** based **GraphQL** server and a **Next.js** server with **TypeScript**; implemented the logged out homepage in the new platform to showcase a **60%** faster page load time compared to the old tech stack.
- Migrated several common **React** components from a **JavaScript + Flow + SASS** library to a **TypeScript + styled-components + styled-system** library.
- Migrated pages of a user subscription management flow from Angular 2 to a **React + Redux + React Router** single-page application platform, and led a 3-member team to migrate 2 other subscription management flows.
- Implemented a static maintenance page with vanilla **HTML/CSS/JavaScript**, and setup a CI/CD pipeline for it using **Terraform** and **Jenkins**.

Education

Syracuse University

Sep.2016 - May.2018

MASTER OF SCIENCE IN COMPUTER SCIENCE

GPA: 3.8/4.0

Notable Coursework: Design and Analysis of Algorithms, Computer Architecture, Object Oriented Design, Principles of Operating Systems, Artificial Neural Networks, Computer Security, Internet Programming

South China University of Technology

Sep.2011 - Jun.2015

BACHELOR OF SCIENCE IN APPLIED PHYSICS

GPA: 3.5/4.0

Projects

Events Schedule

Github

- Designed and developed an event schedule web application which allows user to register/login and add/update/remove events.
- Built a responsive web page with **React** and **Redux**.
- Created a **MongoDB** database to store user info and event data, and built **RESTful** APIs with **Node.js**, **Express.js** and **Mongoose**.
- Implemented server-side token based user authentication with **Passport.js**, **JsonWebToken** and **Bcrypt**.
- Utilized **Joi** to validate request body, and **Winston** to log requests, response status, response time, and errors.
- Tested the API with **Mocha**, **Chai** and **Supertest**, deployed the app to **Heroku**.

Location based Social Network

Github

- Created a geolocation-based social network web application with **React** and **Ant Design**.
- Utilized **Google Map API** to implement features such as "Create Post", "Nearby Posts As Gallery" and "Nearby Posts In Map".
- Built a basic token based registration/login/logout flow with **React Router v4** and server-side user authentication with **JsonWebToken**.

NBA Player Strength Visualization

Github

- Developed a dashboard using **React**, **D3.js** and **Ant Design** backed by API from stats.nba.com to visualize individual player's shot data, including a shot chart and user profile view.
- Created 4 extra filters and 2 shot themes(hexbin and scatter) to provide more customized visualization on the shot chart.
- Built an autocomplete player search bar providing a list of players(image and name) in the suggestion list.

Skills

Languages	JavaScript/ES6+, TypeScript, HTML, CSS/Sass, Kotlin, Java, Python
Technologies	React, Next.js, Redux, GraphQL, CSS-in-JS, Node.js, MongoDB, Spring, Reactor 3
Tools	Git, AWS, Heroku, Terraform, Jenkins