

Fangzhuo Xi

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TECHNICAL SKILLS

Front End | JavaScript, React, HTML, CSS, Bootstrap, Redux

Back End | Node.js, Python, Express, MongoDB, PostgreSQL, MySQL, RESTful API Development

Testing/Deployment | Jest, Mocha, Chai, AWS: EC2 / RDS / S3, Heroku, MongoDB Atlas, Docker, Loader.io, K6, Nginx

Developer Tools | Vim, Git, npm, yarn, Webpack, Babel, Agile Methodology, Test-Driven Development (TDD), Trello

SOFTWARE ENGINEERING APPLICATIONS

Software Engineer | Atelier API | github.com/FangzhuoXi/Q-A

2022

The back end system for a retail website and optimized to handle large quantities of data and traffic

- Reduced app **latency** to 20ms by creating indexes to **PostgreSQL** tables and refactoring expensive SQL queries
- Used **ORM Sequelize** to handle SQL queries to improve code readability and simplicity
- Deployed 3 **AWS EC2** instances with **Docker** images behind an **Nginx** load balancer to sustain **0% error rate** and **1000 RPS**

Software Engineer | Atelier Retail | github.com/FangzhuoXi/FEC_Lighthouse

2022

An e-commerce app for clothing products

- Built the product overview section of the application containing a photo carousel and pop-up modals, with **React** and **Restful API backend**
- Used **styled-components**, **CSS** media queries and Grid to create a responsive design across multiple devices
- Implemented **unit tests** with **Jest** and **React Testing Library** to achieve 70% test coverage

Architecture Owner | Buskin | github.com/Blue-Tang-Clan

2022

A website for street performers and fans that allows fans to follow and support artists and artists to add their events

- Collected front-end's needs and defined website **API** contract with 17 routes for the application to ensure front-end and back-end teams in sync
- Helped the team agree upon the overall tech stack (**React**, **PostgreSQL**, **Express**, **MUI**) and **git** workflow
- Built the schema for the relational database and created indexes to improve performance
- Implemented registration and login function, using **bcrypt** to hash the password and **material UI** to create a modern design

PROFESSIONAL EXPERIENCE

Senior Accountant | Enviva

2021 - 2022

- Supervised 2 staff Accountants and Owned 5 sub-entities accounting books to ensure compliance with public company regulations
- Led the company leases migration process, ensured 100 % corporate leases migrated to the new accounting software in a timely and accurate manner and trained 5 other employees to use the new lease software

Senior Accountant (promoted from Staff Accountant) | Topsail Professional Services

2017 - 2021

- Established recurring entries templates and formulating 401K and FSA reconciliations to expedite the month end closing process and help Controller bring closing schedules from 1+ year behind to up to date
- Collaborated with billing team to resolve invoice rejection issues and collected more than \$500K from invoices over 6 months past due

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive Program

2022

George Washington University | Master of Accountancy

2017

Southwestern University of Finance and Economics | Bachelor of Management | Accounting

2015