

Fengnan Sun

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SUMMARY

- Proficient in **JavaScript, React, Node.js**, and fluent in **Python** and **Java**.
- **Three years of in-depth and diverse experiences** in the software industry, working as a **software engineer** and **product manager**.
- Highly **motivated** and **skilled team player** with a demonstrated ability to learn quickly, think creatively and work collaboratively.

EDUCATION

University of California, Irvine; *Master in Software Engineering, 3.9/4.0* Sep 2022 - Dec 2023

The University of Manchester, UK; *M.Sc in Electrical Engineering; Project prize of EE school, 3.8/4.0* Sep 2017 - Dec 2018

China University of Petroleum, Beijing; *B.Eng in Geological Engineering-Petroleum Exploration, 3.9/4.0*

TECHNICAL SKILL

Languages: Python, JavaScript, Java, Kotlin, Swift, SQL, HTML5, CSS3

Database & Library & Framework: MySQL, MongoDB, React, Redux, Axios, Node.js, Express, Bootstrap, JUnit

Tools: Git, Azure, Postman, Jira, VS Code, IntelliJ, Xcode, Android Studio, Maven, Gradle, npm, yarn

Coursework: Data Structure and Algorithms, Database Programming, Distributed Software Architecture, Software Testing and Debugging, Programming Styles, Cloud and Security Foundations, Reverse Engineering, Mobile Application Development

EXPERIENCE

• **Landray Software Co., Ltd, Shenzhen, CN** Jun 2022 - Aug 2022

Software Engineer Intern | React.js, Node.js, Express, MySQL

- Engaged in **full-stack** development of business management software employing Agile methodology.
- Worked with a team of 5 engineers to launch 2 features within 2 months that increased user engagement by 10%.
- Created **20+ reusable components** with **React.js** to enhance UI of contract management system.
- Implemented single sign-on using **JWT** for authentication, session management, and **responsive UI rendering**.
- Built **RESTful APIs** using **Express** Framework to create, retrieve and update documents for different business units.
- Added new functionality to the dashboard to visualize the number and percentage of different types of documents, improving the system's ability to analyze data and make informed decisions.

• **Hubei Science & Technology Investment Co., Ltd, Fitch Ratings-BBB, Moody's-Baa2, Wuhan, CN**

Front-end Software Engineer | JavaScript, React.js, HTML, CSS

May 2021 - May 2022

- Implemented websites and landing pages from concept through deployment, understood **SDLC** methodologies in depth.
- Created scalable front-end solutions for a SaaS application by developing UI components with **JavaScript** and **React**, utilizing modular code, caching, and serverless architecture to optimize user experience.
- Collaborated with cross-functional teammates on **GIT** and leveraged tools such as **GitHub** to streamline the development process.

Product Manager | Project management, Communication

Feb 2019 - May 2021

- Built and improved an **online smart park management platform** with software engineers, which reduced the labor cost of park management by 18%, and provided over 2000 active users with services like online payment, policy consultation, events planning, property maintenance, etc.
- Analyzed, gathered and wrote **business requirements specifications** by interacting with clients.
- Worked with Designers to conceptualize new features and participated in software **UX & UI design**.
- Handled data and feedback from users to improve product features, resulting in a 15% increase in customer satisfaction.
- **Led a team of three**, developed work schedules, delivered projects, and built a sense of shared purpose.

PROJECTS

• **CampusOffer Android App | Kotlin, Gradle, Retrofit, Node.js, Express, MySQL, Azure | [demo](#)** Jan 2023 - Mar 2023

- Built a full-stack mobile app to allow students to sell or buy second-hand items online.
- **System Design:** utilizing user stories as a foundation, selected the **MVVM** architecture and executed the design of API, data, and component elements for system development.
- Client: created the front-end using **Dagger-Hilt** for dependency injection, Google Play Services for login, and UI components for the View layer. Managed UI state with ViewModel and Kotlin **Coroutines**, and performed asynchronous operations with MutableLiveData.
- Server: developed scalable RESTful APIs, and integrated Google OAuth authentication and authorization for secure access.
- Database: established a **MySQL** database by implementing the **schema** design.
- Deployment: conducted functional and performance testing, and successfully deployed the server and database on **Azure**.

• **Jobify Web App | React.js, Node.js, Express, MongoDB | <https://jobify-mern-ycny.onrender.com/>**

Nov 2022 - Dec 2022

- Built a full-stack RESTful web app to help candidates manage their applications online.
- Front-end: implemented React Hook, React Router and **Axios** to build responsive UI with login status synchronization, user profile management, and data retrieval (partial search, filtering, sort, pagination).
- Server: set up routes, controllers and **middleware**, completed **CRUD** functionality, and tested the server with **Postman**.
- Database: set up **MongoDB** database in the cloud (**Atlas**), used **Mockaroo** to create mock data and populate the database.
- Set up Github Repo and deployed this application on Render.