

# JIAN WU

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Dedicated and versatile full-stack engineer with 5 years experience in designing, developing, and deploying scalable web applications. Proficient in both frontend and backend technologies, adept at bridging the gap between user experience and technical implementation. Strong problem-solving skills and a passion for learning new technologies to drive innovation and deliver high-quality solutions. Excellent communicator with a collaborative mindset, able to work effectively in cross-functional teams to achieve project goals and exceed client expectations.

## Skills

- React, Redux, HTML, CSS, Javascript(ES6+), Typescript
- StoryBook, Material UI, Styled Component
- Docker, Jenkins, Vercel, HeroKu, AWS, ServiceNow
- Team player, Bias for action, Deliver result
- Java, python, Django, SpringBoot, SpringMVC, Spring Security, SpringJDBC, Hibernate
- SQL, PosgreSQL, JawsDB, GraphQL
- JUnit, Jest, React test library, Cypress, Selenium

## Experience

Open to Opportunities

**SELF-EMPLOYED**

March 2024 - Present

- **Personal Introduction System**  
A comprehensive system designed to showcase personal information and project experience, including a self-introduction, skills, project displays, and contact information.  
Frontend:  
Built with **React** and **TypeScript**. Uses **SCSS** for styling, ensuring a visually appealing and responsive design. Hosted on **Vercel** and **AWS** for both testing and production environments.  
Static resources are stored in **S3**, with **CloudFront** and **Route 53** providing global content delivery to enhance user access speed and experience.  
Backend:  
Developed with **Spring Boot** and **Spring Security** to provide secure API services. Data is stored in a **JawsDB** database. The system is containerized using **Docker** and hosted on **Heroku** and **AWS** for efficient continuous deployment.
- **Employees Information Management System**  
A system designed for managing employees' information, including basic information entry, editing, deletion, and querying. It also includes performance evaluations and salary management.  
Frontend:  
Developed using **React**, **React Router**, and **TypeScript**. Code integration and deployment are automated using **GitHub Actions**.  
Backend:  
Uses **Python** and **Django** to build RESTful APIs. Data is stored in **PostgreSQL**, ensuring data security and availability. The system is containerized using **Docker** and deployed on **AWS** for rapid CI/CD resolution.
- **US Stock Analysis System (Under Construction)**  
A system for analyzing and displaying US stock market data, including stock quotes, historical data analysis, and prediction model displays.

Services:

Written in **Python** and integrated with the **Alpha Vantage** API for fetching stock data.

Software Engineer III (hybrid, consultant)

**JPMC, Plano, TX**

October 2022 - February 2024

- Involved in gathering, analyzing, designing, developing, and testing the application using Agile methodology (**SCRUM**) in a Test-driven development (**TDD**) approach  
Developed and maintained software applications with cross-browser single-page applications in **React**, **Typescript**, **Javascript**, **HTML**, **CSS**, **Bootstrap**, **MUI**, **MDS**, and **Styled components**
- Collaborated with other developers to integrate multiple systems through **GraphQL APIs**.
- Worked with **MockStar** and **WireMock** to simulate back-end data in development
- Experienced in **Storybook** to develop and maintain re-usable components
- Used **Bitbucket** as the code repository and **GIT** for version control
- Implemented various tools for unit testing and end-to-end testing, including **Jest**, **React testing library** and the integration of the **Octogon** and **UDF** framework
- Involved in content validation work on **Confluence** page, ensuring the validity and completeness of the content
- Performed **ADA (Americans with Disabilities Act)** testing on the built code using **GAIA**  
Utilized tools such as **AxeTool**, **TextSpacing**, **VoiceOver**, and others for comprehensive accessibility testing
- Created stories in **ServiceNow** to participate in **CDN** and **product releases**
- Utilized **SplitIO Feature Flag** for A/B testing of new features across multiple environments(**QA**, **UAT**, **Production**), conducting emergency bug fixes and dynamic configurations, and gradually rolling out new functionality
- Coordinated and collaborated with UX teams by using **Figma**
- Troubleshoot and resolved technical issues in a timely manner
- Provided technical support to clients and addressed their concerns effectively
- Documented software design and code changes for future reference and team collaboration
- Collaborated with a team of engineers to design and implement new features

Software Engineer (remote, full-time)

**BAANYAN SOFTWARE SERVICES**

May 2021 - September 2022

- Proficient in languages such as **Java** with microservices-based applications using **Spring Boot**
- Developed and implemented software solutions utilizing Agile methodology, **JavaScript**, **HTML**, **CSS** and **React.js**
- Skilled in designing and implementing RESTful APIs using **Spring Boot** and **SpringMVC**, adhering to best practices for resource naming, versioning, authentication, and documentation.
- Integrated **Spring** with other technologies like **Hibernate** for ORM and **Spring Security** for authentication and authorization.
- Designed and implemented responsive user interfaces using third-party libraries: **Bootstrap**, adhering to best practices in UX/UI design
- Experienced in integrating **Jenkins** with version control systems like **Git** for source code management.
- Familiar with **Jenkins plugins** for enhancing functionality and integrating with other tools such as **Docker**, and **SonarQube**.
- Collaborated with cross-functional teams, to understand project requirements and deliver high-quality solutions

- Participated in regular sprint planning, daily stand-ups, and sprint retrospectives as part of an agile development team
- Participated in the testing and debugging of software to ensure functionality and user-friendliness

Frontend developer (onsite, full-time)

**ICBC, US**

*September 2014 - May 2017*

- Collaborated with UI/UX designers and backend developers to implement responsive and pixel-perfect web designs using **HTML5**, **CSS3**, and **JavaScript**.
- Familiar with design tools such as **Figma** and **Adobe XD**, with experience collaborating with UI/UX designers to implement design mockups and prototypes.
- Developed dynamic and interactive user interfaces using **React.js**, optimizing performance by implementing **virtual DOM** and efficient rendering techniques.
- Experienced in optimizing frontend performance using techniques such as **code splitting**, **lazy loading**, and **image optimization**.
- Familiar with **CI/CD pipelines**, automated testing, and deployment strategies using tools like **Jenkins**
- Integrated third-party APIs and services to enhance application functionality and user experience.
- Conducted code reviews, performed unit testing, and participated in Agile development processes to ensure high-quality deliverables within scheduled deadlines.
- Utilized performance monitoring tools to analyze and optimize frontend performance, resulting in improved page load times and user engagement metrics.

## Education

Completed coursework towards Bachelor of Science (B.S.) in Applied Mathematics

**Northwest University**

Completed coursework towards Master in Business in Business Administration

**Missouri state University**

## Certifications

- AWS Practitioner
- AWS Certified Developer – Associate
- AWS Certified Solutions Architect – Associate