JIANGWEI SHI

Albany, NY|| (518)-428-3680 || Jiangweishi8@gmail.com
LinkedIn: https://www.linkedin.com/in/shipley-shi-090793330/ || GitHub: github.com/Jiangwei-shi

Experience

Global Data Tek | full stack engineer   **Feb 2024 – Now| NJ, US**

- Designed and developed enterprise applications using Core **Java**, **Spring MVC**, **JPA**, and web services, delivering robust, scalable solutions that meet complex business requirements.
- Collaborated closely with the **Agile Scrum** team on requirement analysis, technical design, and development, ensuring the timely delivery of high-quality software.
- Spearheaded the development of key modules, including the Login/Signup, Timesheet, and Member Search functionalities, resulting in enhanced system efficiency and a more intuitive user experience.
- Crafted and maintained business logic, Controller, and Service layers, facilitating seamless integration and data flow between diverse application components.
- Leveraged JPA in the Entity layer for optimized data access and manipulation within a **MySQL** database, improving query performance and reducing latency.
- Performed rigorous **unit testing** and swiftly resolved bugs, significantly boosting application stability and reliability.
- Engineered **RESTful** Web Services and microservices using **Spring Boot**, ensuring seamless and reliable communication across distributed systems.

Keelworks Foundation | Software engineer   **July 2023 – Feb 2024 | US**

- Led a team of 10 in developing a portfolio generator using **Java** and **JavaScript**, significantly improving professional presentation for job seekers.
- Employed the **Mantine** framework in **React** to create a front-end group chat drawer, enhancing team communication and collaboration.
- Implemented the **MVC** design pattern within the **Spring** framework to effectively segregate data from logic, ensuring streamlined application functionality.
- Utilized **Async/Await** in React for efficient asynchronous handling, ensuring seamless user interactions.
- Contributed directly to a **60%** increase in job acquisition rates among users with the portfolio generator, demonstrating a significant impact on employment outcomes.

Valitee | Front End Web Developer Intern   **May 2022 - Aug 2022 | US**

- Developed a **TypeScript** and **React**-based group chat feature, realizing a 30% increase in user engagement by identifying and addressing the platform's interactivity needs.
- Employed the **MUI** framework in **React** to design and implement a front-end group chat drawer, improving site interactivity and user usability.
- Orchestrated state management for user-selected group chat members using **Redux**, enhancing chat responsiveness and maintaining seamless state transitions.
- Integrated **sagas** and **Socket.io** for real-time front-end and back-end communication, delivering efficient chat functionality.
- Crafted a **Unity**-based snowball game, leveraging **C#** for enhanced player interactivity and control mechanics.
- Utilized **Blender** to construct the snowball and other barrier models, enriching the visual appeal and gameplay experience.
- Gathered player feedback to enhance and optimize the overall game experience.

Education

Northeastern University | Master of Science in Computer Science   **Sep 2021 – May 2023**

- **GPA:** 3.7/4.0
- **Relevant Courses:** Programming Design Paradigm, Algorithms, Web Development, Operating System.

University at Albany | Bachelor of Computer Science   **Sep 2017 – June 2021**

- **GPA:** 3.60/4.0
- **Relevant Courses:** Discrete Structures, Data Structures, Algorithms, Design Pattern.

Skills

Programming Languages: Java, JavaScript, TypeScript, SQL, HTML, CSS.
Tools: MySQL, Redis, MongoDB, Node.js, React, Spring.