

# Jiawei Qi

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## WORK EXPERIENCE

### Sclink Cloud Technologies

January 2022 – June 2022

*Co-founder, Software Engineer*

*Seattle, WA*

- Developed modern and user friendly Web Applications, using Svelte.js, and Tailwind.
- Constructed a robust SEO framework, leading to an increase in the number of Google search result visits by 60%.
- Built an Email / WhatsApp notification system using serverless Firebase cloud functions, and leveraged the Cloud Firestore to store encrypted 1000+ student data with maximum security and privacy.

### Hisense Group

June 2021 – August 2021

*Software Development Engineer Internship*

*Shanghai, China*

- Implemented communications processing between OSM database and Server components using Java Database Connectivity (JDBC), and external system communication using Java Message Service (JMS) queues.
- Solved over 40% of issues across the customer management requests for order and billing systems with the team.

### SMH Design and Decoration Co., Ltd

April 2021 – June 2021

*Software Developer Internship*

*Qingdao, China*

- Increased company website's traffic over 80% by building a fully responsive elegant front-end using ReactJS.
- Developed an Order Management System using Angular and Spring Boot with MySQL for 15+ employees.

## PROJECTS

### E-commerce Amazon Clone | *Javascript, ReactJs, Redux, Nodejs, RESTful API* March 2022 - May 2022

- Built an Amazon online shopping clone using the MERN Stack with the must-have E-commerce features.
- Constructed the dashboard with user auth functionalities by using Redux and Firebase Realtime Database.
- Handled issues around overselling and insufficient inventories by using distributed locks with Redis.
- Built a CRUD RESTful API for searching between specific product categories, filtering the listings with specific conditions from users.

### Google Takeout Clone Food ordering Application | *Java, MVC, Spring*

January 2022 - March 2022

- Used Spring framework for integrating the MVC with Client Account, Food Menu, Orders and User services.
- Developed Servlets and JSP to add CRUD patterns on menu and order entities.
- Compiled the Order information into a database using Hibernate to avoid writing a large number of queries.

### StudyBin | *Javascript, ReactJs, Node.js, Express.js, AWS*

February 2021 – May 2021

- Directed a team of 4 to Create a Full-Stack web application to help college students make friends with students in the same class based on common interests.
- Constructed and implemented UI mockups, used ReactJS to leverage a reusable component architecture, and developed a single ISOMORPHIC responsive mobile-friendly application with cross-browser compatibility.
- Implemented the Back-End using Node.js and Express, built a database schema, designed a RESTful API to request user preference and group information from the server, and deployed it to an EC2 instance on AWS.

### Teamaker | *HTML, CSS, Javascript, ReactJs, NodeJs, MongoDB*

January 2020 – March 2020

- Implemented a RESTful API using Node.js to facilitate the construction of the team management system.
- Employed a Test Driven Agile approach using Mocha, Chai, and Jest for the client-side development.
- Stored users' profiles, group information, and project details in MongoDB database to accelerate development times with ever-changing project requirements.

## TECHNICAL SKILLS

**Programming Languages:** Java, C++, JavaScript, Python, SQL, HTML, CSS

**Technologies:** Restful API, Bootstrap, Svelte, Maven, Gradle, Docker, RabbitMQ, Linux, Git, Firebase, AWS, Heroku

**Framework:** Spring, React, Redux, Node.js, Express.js, Angular, Bootstrap, VUE.js, Svelte.js

**Database:** MongoDB, MySQL, Redis, Microsoft Access, Oracle SQL

## EDUCATION

### Northeastern University

Seattle, WA

*Master's of Science in Computer Science*

*September 2021 – May 2023*

### University of Massachusetts Amherst

Amherst, MA

*Bachelor's of Science in Mathematics, Bachelor's of Science in Informatics*

*June 2018 – May 2021*