

Yuning Xie

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TECHNICAL SKILLS

Language: Java, Python, C/C++, JavaScript, PHP

Front-end Tech: HTML, CSS, Bootstrap, TypeScript, React

Back-end Tech: Spring Boot, Spring Cloud, Spring Data JPA, Redis, WebSocket, Kafka, JUnit

Database & Tools: MySQL, MongoDB, Git, Docker, AWS, Azure, Linux, Nginx, Jenkins

WORK EXPERIENCE

Software Development Manager

Mar. 2023- Present

IEJL Website

International Economic Justice League, Inc., Irvine, CA

- Collaborated closely with stakeholders, including product managers, designers, and quality assurance teams, to ensure alignment and successful project outcomes.
- Configured DNS and CDN using Cloudflare to optimize website performance and enhance global accessibility
- Constructed a CI/CD pipeline using **Jenkins** and Git webhooks, streamlining development and deployment processes
- Developed and maintained the website using PHP, HTML, JavaScript, CSS, and MySQL, ensuring smooth functionality and user experience

Software Development Engineer

Sep 2020-Aug 2021

Health Information Manage System

Second Affiliated Hospital of DMU, Dalian, China

- Designed and developed the application using **Spring Cloud**, **Spring Boot**, and **Spring Data-JPA**
- Utilized **Redis cluster** to cache recently viewed patients' EHRs, improving the performance by **200%**
- Worked on functionality to consume patient scheduling messages using **Apache Kafka** and notify other systems.
- Leveraged various features of AWS such as S3, EC2, and RDS to support the app's infrastructure and storage needs.

Software Engineer Intern

Jun 2019 – Sep 2019

Classroom Roll Caller System

NeuSoft, Dalian, China

- Developed a roll caller system using **C++** and **QT** for schools to establish absent student lists in classes
- Performed CRUD operations like Updating, Inserting and Deleting data of students' information in **MySQL** online
- Performed various testing and deployed the backend service to **Alibaba Compute Cloud**

EDUCATION

University of California, Irvine (UCI)

Sep 2021 – Dec 2022

Master of Computer Science

GPA: 3.83/4.00

Dalian University of Technology (DUT)

Sep 2017 – Jul 2021

B.S. in Computer Science and Technology

GPA: 3.84 Ranking: 10/131

PROJECT EXPERIENCE

TapNews | [\[GitHub\]](#)

Mar 2022 – Jun 2022

A web app that displays news collected from various news sources

- Utilized **Redis** to cache recently viewed news, improving the performance by **30%**
- Created a website for users to view, like and share classified news using **React** and **Bootstrap**
- Employed **RabbitMQ** to decouple news crawler, click event, and business logic, ensuring scalability and modularity.
- Implemented news classification and recommendation system using **TensorFlow**

Billshare – Share Bills with Roommates | [\[GitHub\]](#)

Dec 2021 – Mar 2022

A mobile app to manage shared bills with friends

- Developed a UI for users to register and manage shared bills using **Ionic** module in **React** Typescript framework
- Built an app to keep track of, manage and analyze bills using **Spring Boot**, **Spring Data** and **MySQL**
- Re-engineered bill management and messaging system using **WebSocket**, making them real-time and improving the performance by **200%**, and applied **JWT** to WebSocket protocol authentication
- Implemented user online status tracking using **Redis** and heart-beat mechanism
- Used various features of **Amazon Web Services** like S3, EC2 and RDS