Yifan He

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SUMMARY

Experienced in working in a productive team and comfortable in feature design and troubleshooting

Enthusiastic about continuous learning and continuous summarization, actively following and keeping abreast of the latest industry technologies

Customer-focused and committed to delivering high-quality work on time

A team player who can quickly integrate into new environments and actively participates in group discussions

EDUCATION

Concordia University	Montreal, QC
Bachelor of Computer Science	September. 2018 - June. 2022

PROFESSIONAL EXPERIENCE

ByteTube Inc., Montreal

Software Development Engineer Intern   Jan. 2023 - Sep. 2023

- Collaborated within a high-performing agile team to develop community web applications, utilizing modern development tools to provide community consumption services
- Designed and built pages using **EasyUI+JQuery**, and implemented corresponding **RESTful** interfaces with **SpringBoot+MyBatis3+MySQL**, facilitating the development of customer orders, querying customer points, and enhancing customer redemption functions to improve the user experience
- Leveraged **Dynamic SQL** and **Lazy Loading** mechanisms in Mybatis, enabling SQL statements to be dynamically concatenated based on different conditions and queried on-demand to reduce query complexity and augment query performance
- Employed **DES** and **MD5** encryption methods for the encryption and decryption of platform and database passwords, reinforcing platform password security
- Optimized resource utilization by adding headline photos and other infrequently changed resources to **Redis**, achieving a 5% increase in the loading speed of the home page

PROJECTS

User Contact Management System

- Engineered a user management system to streamline the handling of user information, facilitating administrative tasks such as the creation, update, deletion, and viewing of user profiles
- Crafted front-end pages and back-end **CRUD** interfaces utilizing **JSP**, **JSTL**, and **Bootstrap**, while leveraging C3P0 JDBC connection pools for database interaction
- Implemented filters to prevent unauthorized access, redirecting unlogged users to the login page to enhance user data security
- Incorporated Filter and **Proxy Design Patterns** to scrutinize user input for sensitive words and block them, ensuring compliance with network civilization norms

FishBall Community Application

- Spearheaded the construction of a partially completed community shopping platform, aimed at simplifying daily shopping for customers
- Executed independent feature development, utilizing **EasyUI+JQuery** for the front end and **SpringBoot+MyBatis3+MySQL** for the back end, with unified **RESTful** interfaces
- Employed **Redis** to cache homepage images, main categories, and other infrequently changed resources, boosting the homepage loading speed
- Scheduled a daily task using **Quartz** to count merchant sales, with visual feedback through **ECHATS**, empowering merchants with insightful sales analysis
- Contributed to the creation of **QR codes** for login and registration through third-party interfaces, enhancing user accessibility to the platform

Detection And Generation Of Machine Reports

- Designed and implemented an application capable of automating the process of extracting data from industrial machines and generating customized reports
- Utilized **Spring Boot+Spring MVC+MyBatis** to build the back-end architecture and complete database interactions to efficiently process and manage data from machines
- Developed a responsive front-end interface with **Bootstrap** and **JQuery** to reduce development time
- Created flexible report templates using **FreeMarker** to automate the generation of accurate machine data reports based on user selections

SKILLS

Front-end & FrameWorks:	HTML, CSS, JQuery, JavaScript, Bootstrap, Vue.js
Back-end & FrameWorks:	Java, C++, Python, Spring, SpringMVC, Mybatis, SpringBoot, Spring Cloud, Maven, JUnit
Other Tools & Services:	Linux, MySQL, VScode, Visual Studio, GitHub, Git, Unity
Language:	Mandarine, English