Wenbo Peng
Canada Work Authorization (PR Holder)

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SKILLS

Back-End:	Java, Spring Boot, Spring Framework, Spring Cloud, C#, .Net Core, MyBatis, Hibernate, REST
Front-End:	Angular, React, JavaScript, JSP, HTML5, CSS, jQuery, AJAX, TypeScript, Thymeleaf, Bootstrap
Database & Clouds:	MySQL, SQL Server, PostgreSQL, SQL Server, MongoDB, Azure, AWS, Microservice, Docker
Tools & Others:	Git, CI/CD, Jenkins, Redis, JSON/XML, Linux, Maven, Agile, TDD, DevOps, Kubernetes, JUnit

EDUCATION

Dalhousie University — **Halifax, NS, Canada**
Bachelor of Computer Science (BCS) — January 2022 - September 2023

Algonquin College — **Ottawa, ON, Canada**
Advanced Diploma in Computer Engineering Technology — September 2019 - December 2021

EXPERIENCE

Zevnodata — **Toronto, ON, Canada**
Software Development Intern — February 2024 – May 2024
- Developed a platform that enables streamlined interactions between clients and developers by using Spring Java.
- Utilized MongoDB for efficient data management and implemented RESTful APIs to enable seamless system interactions, enhancing system load capacity by 30% with JWT and Spring Async.
- Bundled the application using Docker and leveraged AWS S3 for data storage, automating deployment workflows with Jenkins pipelines, which streamlined development iterations by 40%, reducing 25% of deployment errors and operational downtime.

CUTV (China United Television) — **Shenzhen, China**
Web Development Intern — May 2021 – August 2021
- Played a pivotal role in developing a large-scale media platform. Implemented load balancing using Ribbon in Spring Cloud and enhanced data management with ORM and Redis, which boosts the platform's capacity from 100,000 to 400,000 concurrent users.
- Leveraged Angular's robust data-binding and modular component architecture to engineer a dynamic and responsive front-end, collaborated closely with a diverse team of developers and designers to craft an intuitive and visually striking user interface.
- Utilized Eureka for managing cluster environments and employed Spring Cloud Config for management of external configuration files, which streamlined operations and optimized resource utilization, improving system scalability and maintainability by 25%.

PROJECTS

Full Stack E-commerce Platform
- Developed a comprehensive e-commerce website, leveraging Angular's reactive programming for the front end and enhancing data management efficiency, and Java Spring Boot for the backend.
- Executed CRUD operations in the backend using Hibernate with MySQL for robust data management, utilizing JPA annotations to define and implement one-to-many and many-to-one relationships.
- Leveraged REST APIs to ensure responsive data access, improving interactivity and content diversity.
- Integrated Stripe API to implement a secure and efficient payment system, enabling intuitive checkout experiences for users.

Blog Management Website
- Developed a comprehensive Blog Management System as part of a team, leveraging Java Spring Boot for the backend to enhance the application's scalability and manageability, with deployment orchestrated using Docker on AWS.
- Implemented a RESTful API using Spring Boot, facilitating seamless CRUD operations, including advanced configurations for pagination, sorting, and custom queries, with MyBatis ensuring efficient and scalable database interactions with MySQL.
- Integrated React for a dynamic and responsive front-end. Used Hooks and Context API to manage state and handle real-time content updates and user interactions efficiently, ensuring a smooth and engaging browsing experience.

Project Management System
- Led the development of a C#/.NET Core 5 Campus Project Management System for streamlined project workflow management.
- Designed and developed an efficient Dashboard by using Bootstrap, leveraging the MVVM design pattern, to empower clients and faculty in managing and approving project requests.
- Integrated Microsoft Identity Framework and Azure Active Directories for secure faculty authentication and collaborated for the integration of the authentication system with the college.
- Leveraged GitHub for version control and automated CI/CD pipelines, ensuring efficient and reliable iteration of project versions and dependencies. Hosted the application on Microsoft Azure for security and scalability.