Xiaomeng (Brady) Xu

Tel: 613-869-3981 / **Location**: Ottawa, ON, Canada
E-mail: bradyxu831@gmail.com / **Linkedin**: https://www.linkedin.com/in/bradyxu831

WORK EXPERIENCE

Java Developer   Nov. 2024 - Present
Immigration, Refugees and Citizenship Canada (IRCC)   Ottawa, Canada

- Maintained the web application and modified business logic code based on change requests using **Java** and **Spring framework**. Utilized **SpringMVC**, **JSP**, **JavaScript**, and **Angular.js** for the presentation layer, **MyBatis** for persistence layer, **SQL Server** for database management.
- Enhanced system reliability in the Entry Express (EE) App by updating the DEV database with missing document types and adjusting enum values in the codebase, ensuring users upload the required documents without issues.
- Optimized the Interim Federal Health Program (IFHP) app by modifying the **JSP** file and **spring mvc** controller, ensuring users receive accurate page content when applying for temporary health benefits, improving user experience and the accuracy of submitted information.
- Resolved a language conflict in Electronic Travel Authorization (ETA) App by update **Angular.js** service file to store language preference in **session storage**, preventing inconsistencies of cookies across browser tabs. Ensured **AJAX requests** retrieve the correct language by appending the session-stored language preference as a query string.
- Fixed an issue in the Visitor Visa App where the dependent's date of birth was displayed incorrectly due to the applicant table update issue. Refined the code to ensure accurate database updates and correct display via **MyBatis**.
- Resolved multiple bugs, including fixing validation issues by updating validation binding rules and correcting presentation text on the website by modifying the CMS database. Ensured proper data validation to prevent incorrect submissions and improved content accuracy for a better user experience.
- Managed daily tasks in **Azure DevOps**, including creating pull requests, running database pipeline, reviewing tickets, and tracking progress. Ensured code quality through PR reviews and maintained workflow efficiency.

Data Management Support Technician (co-op)   May. 2024 - Aug. 2024
Canadian Food Inspection Agency (CFIA)   Ottawa, Canada

- Designed a data model and management plan for CFIA Client Master Data by leveraging **Power BI** to ensure consistency and integrity across the agency.
- Collaborated with the team to gather proposals and draft policies for CFIA Client Master Data governance and standardization.

Software Developer   Oct. 2014 - Nov. 2019
Gome Holdings group   Beijing, China

- Developed a fintech platform application from scratch by using **Java**, **Spring Framework**, **SpringMVC**, **Mybatis**, **JSP**, **JavaScript**, and **MySQL**.
- Refactored a monolithic architecture into a microservices-based system in early 2019, establishing a clear separation of front-end and back-end components. Leveraged **Spring Boot**

and **Spring Cloud** for scalability and distribution, and used **Angular** to develop a single-page application (SPA) front-end.
- Designed and developed **RESTful APIs**, performed API testing using **Postman**, and created API documentation with **Swagger**.
- Implemented distributed user authentication and authorization using **OAuth** and **JWT**, replacing traditional session-based methods. Enhanced security by leveraging **Spring Security** for robust access management.
- Utilized the **Try-Commit-Cancel (TCC) pattern** for managing distributed transactions and ensured transactional consistency through **message queue**.
- Integrated **Redis** to store temporary data using key-value pairs.
- Designed and executed database optimization strategies, including sharding, read-write separation, and performance tuning.
- Deployed applications in **Docker** containers on a **CentOS Linux** Dev server using **Jenkins** pipelines.
- Collaborated with cross-functional team members including product manager, architects in requirements analysis meetings, contributing to the design of database schemas, class diagrams, and sequence diagrams.

CERTIFICATIONS
- Cisco Certified Network Associate (CCNA)
- AWS Certified Solutions Architect Associate
- Canadian Reliability (Level 1) Security Clearance

SKILLS
- **Back End**: Java, C#, .Net Framework / .NET Core, Node.js
- **Front End**: HTML, CSS, JavaScript, TypeScript, Angular, React
- **Database**: SQL Server, MySQL, PostgreSQL, Redis, MongoDB, AWS DynamoDB
- **DevOps**: Linux, Git, docker, AWS, Azure Devops

EDUCATION
- **Graduate Certificate of Business Intelligence Systems Infrastructure**, Algonquin College, Ottawa Sep. 2023 - Apr. 2024
- **Honors Diploma of Computer Programming**, Algonquin College, Ottawa Apr. 2020 - Apr. 2022

REFERENCES
- **Lena Yang**
  - Manager
  - Immigration, Refugees and Citizenship Canada (IRCC)
  - lena.yang@cic.gc.ca
- **Shannon Higgs**
  - Team Lead
  - Canadian Food Inspection Agency (CFIA)
  - shannon.higgs@inspection.gc.ca