**Jane Xu**

Software Developer | Full-Stack Developer

Toronto, ON | 7789298948 | [junshen000@outlook.com](mailto:junshen000@outlook.com) | https://www.linkedin.com/in/jane-xu-1a000a223/

**HIGHLIGHTS OF QUALIFICATIONS**

* **Programming/scripting language**: Python, Java, C#, JavaScript, SQL, CSS3, HTML5, PHP
* **Other Technologies**: Azure, Git, Jenkins, ReactJS, MySQL, Azure, .NET, Unity, Visual Studio, Pandas, NumPy, Matplotlib, Seaborn, UNIX, Bash, Shell Script, Linux
* Working as part of **Agile** team, using **Jira** as project management tool

**PROFESSIONAL EXPERIENCE**

**The Commons XR** – *San Diego, CA (Remote)***Software Developer***March 2024 – Present*

* Developed automated data extraction and verification processes for large datasets (10M+ rows) using **Azure SQL** and **Python**, improving backend data accuracy and consistency.
* Utilized **RESTful APIs** to facilitate communication between the website and backend systems, leading to a 20% increase in data processing speed and a 15% decrease in API response time.
* Implemented non-blocking I/O operations and concurrent processing using the **Python asyncio** library, reducing latency by 20% and increasing throughput by 25%.
* Conducted regular **code reviews** to ensure adherence to best practices in **Python** and **SQL**, resulting in scalable and maintainable software solutions.
* Developed and maintained comprehensive **API documentation** and specifications, enhancing developer productivity by 20% and reducing API errors by 10%.
* Collaborated with cross-functional teams in an **Agile** environment using **GitHub** for version control and **Jira**, improving team productivity and cohesion.

**Shenzhen Xinchenhua Technology Co., Ltd** – *Shenzhen, China***Software Development Engineer***April 2022 – September 2022*

* Developed and maintained a repository management platform using **Python** and **Node.js**, improving usability and performance for internal stakeholders.
* Designed and implemented a **tag-based search feature** in **React**, reducing search times by 40%.
* Built and executed **RESTful APIs** for data exchange between front-end and back-end systems, leveraging **PostgreSQL** for efficient data storage and retrieval.
* Set up and maintained a **CI/CD pipeline** with **Jenkins** and **Docker**, streamlining deployment and enhancing code integration and delivery efficiency.
* Conducted **testing** and **debugging** using **Postman**, ensuring robust functionality and reducing production bugs.

**PROJECTS**

**Expense Budget Mobile Application** – *C# / .NET MAUI  
March 2023 – July 2023*

* Developed a mobile application using **.NET MAUI**, allowing users to set and manage monthly budgets with notifications for spending limits.
* Implemented **Test-Driven Development (TDD)**, improving code quality by 20% and covering edge cases efficiently.

**Travel Planning Platform** – *PHP  
December 2022 – March 2023*

* Designed and implemented a backend system in **PHP** for managing travel itineraries, bookings, and user data.
* Integrated dynamic content capabilities to enable users to create, modify, and manage trips efficiently.
* Connected the platform with third-party APIs to provide real-time data on transportation and destinations, improving user experience.

**EDUCATION**

**Western University** **Sep 2019 – May 2023**

Bachelor of Science, Major in Computer Science; Major in Scientific Computing and Numerical Methods

* Courses: Data Structures and Algorithm, Java OOP,
* Web Application, Big Data Analytics