

Yinglun(Leo) Suo

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Summary

- 2-3 Years of Working experience in **Python-Django, Vue.js, MySQL, Docker** and well-versed with the **Software Development Life Cycle (SDLC) framework**

Work Experience

Manitoulin Transports

Junior Web and Mobile Developer

2021/04 - 2023/08

Mississauga, ON, Canada

• Main Responsibility

- ▶ Participated in migrating the company's internal website to a Vue.js and Python Django-based microservices architecture.
- ▶ Conducted comprehensive testing and debugging for the new system and collaborated with the Business and Sales departments to develop and implement 15+ new features, improving user engagement and operational capabilities.

• Top contribution

- ▶ Led development and deployment of an advanced, customizable Quasar table framework serving the entire new website. Introduced dynamic adjustments of table column visibility and sorting. Integrated with Google Cloud Console API to support exporting data in spreadsheet format.
- ▶ Participated in the company's internal file transmission system design. Implemented Perl code to connect the company server documents folder and transfer files to the IBM AS400 iSeries database server. Helped the infrastructure team deploy Kubernetes CronJob to automatically handle over 200 document transactions monthly.
- ▶ Led redesigning the company's customer message notification system using the Third-party Tool Twilio. Responsible for the entire process from conceptualization to implementation, including workflow design, front-end UI development, email/text notifications integration, and backend API development. The new system enhanced the detail and reliability of customer notifications, boosting engagement and satisfaction.
- ▶ Led the design and implementation of a dynamic rating system for collecting over 10,000 active users' experience. Developed an automated feedback solicitation mechanism, ensuring regular reviews from new and existing customers. Architected a database that stores and tracks rating history.

Education

Western University

Master of Engineering in Electrical and Computer Engineering - Software Engineering

2023/09 - 2024/08 (Expected)

London, ON, Canada

• Personal Project

- ▶ (In progress) AI-Enhanced Course Teaching Assistant Agent, CSAI program supervised by Dr. Apurva Narayan. Implementing a pre-trained model integrated with a vector database, including course content. AI agents will provide contextually relevant explanations to student questions, enhancing understanding and engagement.

• Group Project

- ▶ Online-Book Store. Design and development of an online bookstore system. Included book searches, cart management, and secure payment transactions with JWT for secure authentication. Designed an admin interface to provide user/web content management.
- ▶ Book Store Cloud Deployment Project. Led the development of a cloud-based infrastructure utilizing Docker, Kubernetes, and Google Cloud Platform (GCP) to enhance the scalability and reliability of deploying and maintaining the Book Store project online.

University of Waterloo

B. Math in Computer Science and Statistics Double Major

2016/09 - 2020/06

Waterloo, ON, Canada

- **Relevant Courses:** Software Design and Architectures (88), Computer Organization and Design (84), Introduction to Machine Learning (83)

Last Updated on May 6, 2024