

Jessica Lee

Software engineer

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SUMMARY

Experienced Java software engineer with over 4 years of experience in logistic and healthcare industry using frontend and backend technologies including Vue.js, Node.js, and Spring Boot. Familiar with Agile methodologies to achieve various project targets. Strong problem-solving abilities and effective communication skills contribute to successful collaboration within cross-functional teams. Striving to contribute to the development of cutting-edge software solutions that improve user experiences.

TECHNICAL SKILLS

Languages:	Java, JavaScript, HTML, CSS, SQL, Python
Libraries/frameworks:	Ext JS, Vue.js, Bootstrap, Node.js, JSP, Servlet, Spring Boot, Hibernate, JMS, JDBC, JPA, SOAP/REST API, JUnit, Mockito, Selenium, Log4j
Database/Platform:	Sybase, Oracle, MySQL, MongoDB, Red Hat OpenShift, docker, Solace event broker
Tools:	Maven, Jenkins, JIRA, Oracle WebLogic, Apache Tomcat, IntelliJ, Eclipse
Version Control:	Git, TortoiseSVN.

PROFESSIONAL EXPERIENCE

Technical Analyst

Feb 2022 – Jul 2022

Orient Overseas Container Line – International logistic company

- Developed APIs to provide historical and forecast data of containers using **Spring Boot** framework and **Solace** event broker to support data communication.
- Improved speed of data retrieval by 3 times through reconstructing and migrating data from **Oracle** to **MySQL**.
- Wrote unit test cases on microservices with **JUnit** and **Mockito** to achieve 100% coverage.
- Developed and maintained container management systems with **Node.js** and **Vue.js**.

Programmer

Jun 2018 – Jan 2022

Hospital Authority, Hong Kong – Healthcare industry

- Developed and maintained Patient Administration systems and Clinical Management Systems which handle millions of transactions every year.
- Communicated closely with end users and business analysts to enhance web systems that encompassed hundreds of functions.
- Contributed to urgent enhancements on **RESTful / SOAP** APIs during COVID-19
- Conducted requirement analysis and developed backend web services by **Spring Boot** framework to support HA Go mobile app with over 1M downloads.
- Reduced workload of regression test by implementing **Selenium** automated testing on web applications.
- Managed and ensured the integrity of master patient data stored in **Sybase** database.
- Leveraged RedHat **OpenShift** and **docker** to host internal dashboard.

Internship

Jun 2017 – Jul 2017

Micra Software & Services Srl, Italy

- Developed dynamic searching web application using HTML, CSS, and JavaScript, enhancing the user interface and user experience.
- Implemented robust backend functionality, handling data retrieval, indexing, and query processing using JSP, Servlets and **Elasticsearch** API to deliver accurate and fast search results.
- Conducted thorough testing and debugging to identify and resolve issues, ensuring the website's functionality and reliability.

EDUCATION

Applied A.I. Solutions Development Program (Postgraduate)

Sep 2022 – Aug 2023

George Brown College, Toronto ON

- Developed machine learning / deep learning systems for a variety of industry use cases using Python, Numpy, Pandas, YOLO / Tensorflow (Image detection), Pytorch, scikit-learn, and Matplotlib.
- Designed a AI dental assistant to perform Natural Language Processing (NLP) and extract medical information from policy documents by utilizing the ChatGPT API and Whisper

BSc (Hons) in Computer Science

Sep 2014 – Aug 2018

Hong Kong Baptist University, Hong Kong

- Achieved **first-class** honors.
- Developed a web-based system as an individual final-year project to simulate a virtual room for displaying and modifying 3D furniture in a user-provided photo. Built by **Three.js**, HTML, CSS, Bootstrap.