

Jing Wen

tvandcc@gmail.com | 7782296775 | <https://maxjing.github.io> | LinkedIn

EDUCATION

Simon Fraser University, Burnaby, BC

Bachelor of Applied Science in Computer Science

Jan 2017 - Aug 2021(Expected)

SKILLS

Languages: Java, Python, JavaScript/ES6, C/C++/STL, SQL, HTML5/CSS3, GraphQL, Bash scripting

Frameworks: Spring, React, Node.js, Express, Spark, Hadoop MapReduce, HDFS, Django, Flask, TensorFlow, Scikit-Learn, Numpy, Scripy

Databases/Tools: AWS, MySQL, PostgreSQL, MongoDB, Tomcat, Docker, Jenkins, Selenium, Maven, Git

Knowledge: OOP/OOD, MVC pattern, DAO pattern, Machine learning, Android, Unix/Linux

WORK EXPERIENCE

Spring/AWS based Asynchronous Messaging System

June 2020 - Sep 2020

Amazon Software Engineer Intern, Vancouver, BC

- Developed the system with Spring Boot, RxJava that smooth the traffic loads of update payment instruments data between two complex services
- Created a distributed cron job scheduler with Lambda functions and RxJava Flowable improved TPS of Amazon Wallet Service by 200%
- Implemented an asynchronous workflow by handling Amazon SQS message with API Gateway endpoints
- Implemented a failed message redrive mechanism with SpringRetry and Resilience4j
- Optimize error handling system with Amazon Deal letter Queue and Cloud Watch by SNS notifications

Java/JavaScript based Automation Test System

Sept 2018 - Apr 2019

Realtor.com Software Engineer Intern, Richmond, BC

- Developed the system with Java, JavaScript, Webdriverio, Maven, MySQL and Docker
- Integrated Webdriverio for regression tests, and used Jenkins for CI/CD, increased test coverage by 30%
- Implemented a performance profiling tool using Webpagetest API and Google Lighthouse
- Developed the Java class generator module with Lombok and used JUnit for unit tests

React/Redux based Web Service for Online Medical Consulting

Sept 2017 - Jun 2018

RORO Holding Inc. Software Developer, Vancouver, BC

- Developed the service with React, used Redux for state management, deploy the system on AWS EC2
- Used Express for backend API on Mongoose/MongoDB, integrated RabbitMQ for backend jobs
- Implemented Elasticsearch for full scope searching and used Kibana for log management, improved search speed over 40%

PROJECTS

Spring based Online Wallet Application

Apr 2020 - Aug 2020

- Developed RESTful APIs based on Spring Boot and Spring Data to implement CRUD of entities derived from MySQL
- Database tables by JPQL and responded to client-side Ajax http requests by repositories and controllers
- Configured DataSource, JPA and Hibernate to increase efficiency of database use
- Implemented online chatting and system broadcasting module through WebSocket

Hadoop and Scrapy based User Behavior Analysis Platform

May 2019 - July 2019

- Implemented data storage service with Python, PostgreSQL, Hadoop, Spark, Hive and Hbase
- Developed the RESTful API with Django and data transformations with Pig and analyzed data set by Hive and maintained clusters status in Ambari
- Constructed web crawler with Scrapy to collect user session data and stored data in PostgreSQL with Psycopg2 and integrated SQLAlchemy as ORM
- Implement the recommendation system with Mahout algorithm and Spark Mllib