STEPHEN LIN

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SUMMARY OF QUALIFICATIONS

- ***Languages and Frameworks:*** Java, Kotlin, TypeScript, JavaScript, Python, C, C++, Spring, Angular, React, Vue, Node.js, Express, Apache Kafka, Apache Geode
- ***Databases and Technologies:*** PostgreSQL, MySQL, OracleDB, MongoDB, CassandraDB, Docker, Git, Solace, Selenium, Jenkins, GitLab CI/CD, Perforce

EXPERIENCES

Software Developer · *Oracle Netsuite*   Sep 2021 – Present
- Implemented bulk retrieval API written in Java, reducing total number of API calls by a minimum of 100%
- Migrated 80 integration tests from Kotlin to Java to facilitate the rapid and accessible development of tests across the team
- Engineered a PoC to generate Return Merchandise Authorization (RMA) summary tables with SuiteAnalytic APIs to ensure compatibility of the feature within new product

Full-Stack Developer · *SS&C Technologies*   Sep 2020 – Dec 2020
- Implemented and styled a financial report summary in Vue to decrease call center lookup time when interacting with clients
- Migrated Jenkins Pipeline to GitLab CI/CD using Ansible playbook to automate the deployment process of applications onto VMs hosted by SS&C Algorithmic Cloud Platform

Full-Stack Developer · *SS&C Technologies*   Jan 2020 – Apr 2020
- Designed and developed a production-ready end-to-end Angular knowledge base to replace previous subscription-based application, thereby saving the company $500,000 annually
- Implemented several RESTful API services using Java and Spring and integrated all of them to the front-end application
- Reduced screen creation time by 50% through the creation of numerous global Angular components to prevent duplicate work

Full-Stack Developer · *SS&C Technologies*   May 2019 – Aug 2019
- Proposed and demoed a XWiki knowledge base to senior management which was approved to become a future project
- Delivered a PoC using Java, Spring Boot, Apache Kafka and Apache Geode to read and store documents into a PostgreSQL and MongoDB database in an attempt to replace legacy application

PROJECTS & ACTIVITIES

Accreditation Database · *PostgreSQL, Node.js, Express, React*   May 2021 – Aug 2021
- Designed a database schema in PostgreSQL to calculate the accreditation requirements for the University of Waterloo
- Developed a front-end in React and back-end in Node.js and Express to query the data and display it for faculty members

Handwriting Autocorrect · *Python, Solace, TextBlob, Tesseract OCR*   Feb 2020
- Developed a tool that parses handwriting using Optical Character Recognition (OCR) and suggests correct spelling of words or acronyms using Natural Language Processing (NLP) in a Hackathon
- Set up a Solace messaging queue service between Raspberry Pi and the server as a scalable message broker within 12 hours
- Trained a TextBlob model to provide suggestions for field-specific acronyms

Item Finder · *Java, JavaScript, AWS Rekognition, Nightmare.JS, Android Studio*   Aug 2019
- Developed an Android application in a Hackathon that lists stores selling an item in descending price order, using a price tag
- Implemented the UI design of the application, deepening my understanding of Android development concepts

EDUCATION

Bachelor of Applied Science in Computer Engineering
University of Waterloo   2017 – 2022
- ***Related Courses:*** Computer Security, Database Systems, Distributed Computing, Systems Programming and Concurrency, Computer Networks