STEPHEN LIN

3A Computer Engineering

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Stevemunch01

EXPERIENCE

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.

• Halved screen creation time by creating 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, estimated to save the company $500,000 yearly.

• Delivered a proof of concept using Java, Spring Boot, Apache Kafka and Apache Geode to read and store documents into a PostgreSQL and MongoDB database.

SENIOR QA/WEB AUTOMATION DEVELOPER

SAP Software Solutions   *Sep 2018 – Dec 2018*

• Optimized the automation code base by adding more user functions to improve the conversion rate of manual test cases to automated ones by 40%.

• Mentored three co-op students by conducting code reviews, providing basic training on Git and assigning daily tasks.

SOFTWARE QA/WEB AUTOMATION DEVELOPER

SAP Software Solutions   *Jan 2018 – Apr 2018*

• Performed system, functional, regression and performance testing on HANA Run-Time Tooling (HRTT) using automated and manual methods.

• Doubled testing coverage by extending automated testing on to different browsers such as Internet Explorer.

• Created, updated and fixed automated test cases using Python and Selenium.

EDUCATION

BACHELOR OF APPLIED SCIENCE IN COMPUTER ENGINEERING

University of Waterloo   *2017-2022(expected)*

• **Relevant Courses:** Algorithm and Data Structures, Systems Programming and Concurrency

SKILLS

LANGUAGES

TypeScript, JavaScript, Java, Python, C, C++

DATABASES

PostgreSQL, MongoDB, CassandraDB

FRAMEWORKS

Spring, Angular, React, Apache Kafka, Apache Geode, Solace, Selenium

PROJECTS/ACTIVITIES

Poké-Help

TypeScript, Angular

• Developed a Pokédex website that allows users to access all the information of their favorite Pokémon using Poké-API.

• Refined Angular concepts by implementing routing, lazy loading and infinite scrolling features on a deployed Angular application.

Handwriting Autocorrect

Python, Solace, TextBlob, Tesseract OCR

• Developed a tool in a Hackathon that parses handwriting using Optical Character Recognition (OCR) and suggests correct spelling of words or acronyms using Natural Language Processing (NLP).

• Set up a Solace messaging queue service between a Raspberry Pi and the server as a scalable message broker within 12 hours.

• Trained a TextBlob model to provide suggestions for field-specific acronyms.

Ocra

Java, JavaScript, AWS Rekognition, Nightmare.JS, Android Studio

• 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.