

Zuraiz Zafar

SOFTWARE ENGINEER · FULL STACK DEVELOPER

Ottawa, ON, Canada

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Education

University of Ottawa

Ottawa, Ontario

B.ASC IN SOFTWARE ENGINEERING (CO-OP)

September 2015 - December 2019

Relevant Courses: Data structures and algorithms, Operating Systems, Project Management, Software Quality Assurance, Analysis and Design of User Interfaces. Software Design and Architecture.

Relevant Skills

Languages	Ruby, Java, Python, JavaScript, TypeScript, XML, SQL
Technologies	HTML/CSS, React, Spring, Bootstrap, Karma, Selenium, Angular, Sling, .Net Core
Tools	Bash, Unix, Git, GitHub, Eclipse, Visual Studio Code, IntelliJ Idea, Docker, Vagrant, TravisCI
Databases	PostgreSQL, MySQL

Experience

Outreach, University of Ottawa

Ottawa, Canada

JUNIOR SOFTWARE DEVELOPER/ SOFTWARE DEVELOPER (CO-OP)

May 2018 - August 2019

- Worked in a **scrum** team of 3-5, utilizing **Apache Sling**, **Java**, **Angular**, **Postgresql**, and **Ruby**.
- Implemented a **JWT** based Authentication System to keep 20,000 potential user data safe.
- Created secure endpoints and data structures that increased developer productivity by 2400%.
- Helped design architecture for development, deployment, and testing utilizing **Docker** containers.
- Added **Selenium** testing framework with page object model methodologies. **Tested** over 30 components.

Klipfolio Inc.

Ottawa, Canada

SOFTWARE DEVELOPER (CO-OP)

September 2017 - December 2017

- Wrote middleware to transform **Grails** server pages stored on FTP server into HTML pages, allowing for fixing documentation without a new product release.
- Refreshed and simplified UI with new styles, tutorials, and custom scripts for on-boarding more potential users.
- Created **OAuth** connectors to connect with external services. allowing for more potential users.
- Wrote migration scripts in **Go** to migrate Facebook schema, affecting at least 2,7000 clients.

Klipfolio Inc.

Ottawa, Canada

SOFTWARE DEVELOPER (CO-OP)

January 2017 - April 2017

- Worked on the Editor team using Javascript, Grails, and Java.
- Added ability to use SVG images for custom styling within the app. allowing over 10,000 businesses to brand their dashboards.
- Implemented and wrote tests for bug fixes such as determining sorting style on drill down tables.

Projects

Schedule generator

AN APP TO GENERATE A COURSE SEQUENCE

October 2017 - Current

- Wrote a **Python** script to scrape over 8000 courses from uOttawa website.
- Designed and wrote a core system to look for course clashes using specific **data structures** such as trees and maps.
- Designed Front-end using **React** being used by over 200 people on peak days.

Umple for Vscode

VSCODE EXTENSION FOR THE UMPLE PROGRAMMING LANGUAGE

November 2018 - Current

- A Visual Studio Code extension using **Typescript** and **Java** for the Umple programming language, with over 200 downloads.
- Added snippets, error/warning checking, compilation, and code generation
- Implemented and added tests for issues opened by users.

Open Source Contributions

2018 - Current

- Microsoft Visual Studio Code - Added a new context menu option to copy certain fields in the keybinding configuration editor.
- Umple - Fixed a bug with the compile option related to pathing from the root.

References available upon request.