# 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*
**CGPA** 7.71

## Relevant Skills

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

## Experience

**Iot Sitewise, Amazon Web Services**                                                        *Seattle, United States*
SOFTWARE DEVELOPMENT ENGINEER                                                                 *March 2020 - Current*
- Maintained, monitored, and improved service utilized by clients like Bayer.
- Helped product become general available by improving error handling.
- Worked on deletion of time based data, 7200 new points/day per account, while still maintaining SLAs.
- Using **AWS CloudFormation**, designed and implemented endpoint consolidation to improve user 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.

**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 2,700 clients.

## 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.