

Zuraiz Zafar

SOFTWARE ENGINEER · FULL STACK DEVELOPER

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Relevant Skills

Languages	Java, TypeScript (and JS), C#, Ruby, Python, Go, SQL
Technologies	HTML/CSS, React, Express, Spring, Angular, Selenium, Sling, .Net Core
Tools	AWS, Bash, Unix, Git, GitHub, Visual Studio Code, IntelliJ Idea, Docker
Databases	DynamoDB, PostgreSQL, MySQL

Experience

Amazon Web Services

Seattle, United States

SOFTWARE DEVELOPMENT ENGINEER

March 2020 - Current

- Improved **error handling**, **service metrics**, and **alarming** to support **IoT Sitewise** becoming generally available in multiple regions including China.
- Using **SNS** and **Lambda** improved **IoT Sitewise** deletion workflow for approx. 7200 new points/day/account while still maintaining SLAs.
- Designed and implemented **Privatelink** support for **IoT Sitewise** control plane. Consolidated endpoints using **ELBs** to provide a painless customer experience.
- Using **React**, **Redux**, and **ThreeJS**, created console pages for *** to support managing entity based realtime data.

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.

Education

University of Ottawa

Ottawa, Ontario

B.ASC IN SOFTWARE ENGINEERING (CO-OP)

September 2015 - December 2019

CGPA 7.71

Projects

Umple for Vscode

VSCODE EXTENSION FOR THE UMPL 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.

Schedule generator

AN APP TO GENERATE A COURSE SEQUENCE

October 2017 - Dec 2019

- 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.

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.