

Akbar Zafar

m27zafar@uwaterloo.ca
416-873-8797

github.com/AkbarZafar

[linkedin/akbarzafar](https://linkedin.com/in/akbarzafar)

akbarzafar.github.io

Languages: Java, TypeScript, JavaScript, SQL, C++, HTML/CSS, Python, VHDL.

Frameworks: Angular, React Native, Flask, Django, Protractor, Selenium.

Tools: Git, Eclipse, Visual Studio Code, Docker, PostgreSQL, TravisCI, Unity.

Experience

Software Developer / uOttawa Engineering Outreach May 2020 – August 2020

Worked in a scrum team of 6-8, utilizing **Apache Sling**, **Java**, **Angular**, **PostgreSQL**, **Protractor**, and **Ruby**.

- Improved test time by 60% by migrating Selenium tests to Protractor using page object methodologies.
 - Increased customer engagement by creating a customization feature to support white labeling.
 - Introduced a region dashboard allowing customers to manage their personal regions.
 - Restructured backend by refactoring old endpoints into reusable components and implemented unit tests to produce maintainable code.
-

Projects

Mover App / React Native, Flask, PostgreSQL August 2020

A cross platform product to make moving easier and organized: [Mover App](#)

- A web application built using React Native, Flask, and PostgreSQL following MVC architecture.
- Centralized user access by integrating Google and Facebook sign-in utilizing OAuth.
- Enabled easy item management by implementing a QR code scanner using RNCamera.

Smart Solver / Python July 2020

A smart solver for the game of sudoku: [Smart Solver](#)

- Implemented a novel optimized algorithm utilizing backtracking and recursion.
- Designed an accessible user-friendly GUI using Pygame.

PricePoint / JavaScript, UiPath January 2020

Winner for best UiPath automation hack.

A web application to find the best deals for products: [PricePoint](#)

- Implemented a custom web scraper to retrieve best sellers from e-commerce websites utilizing **UiPath** automation.
- User-focused Frontend with Bootstrap and handlebars.js for a reactive UX.

Explorer Quest / Java August 2018

Strategic turn based game on Android: [Explorer Quest](#)

- A turn based strategic game in Java on Android with an intuitive UI.
 - Responsive GUI using animated sprites to streamline user experience.
-

Education

University of Waterloo Sept 2019 – April 2024

Candidate for B.ASc. in Computer Engineering

Relevant Courses: Algorithms and Data Structures, Digital Computers, Digital Circuits and Systems.