

# Abdullah Abdullah

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## Relevant Work experience

### Software Engineer (Co-op), ArcelorMittal, Hamilton, Canada

Sept 2021 - April 2022

- Developed a REST API by leveraging C#, .NET and SQL databases which receives **1000+ requests/day**
- Built the front end of an application using Angular, Typescript, HTML and CSS while ensuring seamless UI/UX design between entire suite of internal applications
- Analyzed and fixed bugs in production across the stack on multiple applications leading to **0 bugs/app** on the SonarQube QA scan
- Collaborated with a team of multiple developers using Azure DevOps, JIRA and GIT for continuous integration of functionality across multiple concurrently developing applications

### Software Engineer (Co-op), Eaton, Toronto, Canada

May 2021 - Sept 2021

- Developed a native windows application using WPF (.NET/MVVM) which virtualized panel board order development, processing, and production; currently processing over **\$1,000,000+/month** worth of panel boards.
- Created a custom Image Editor UI control and PDF to Image conversion DLL in C# and XAML leading to over **\$10000+/year** worth of savings on developer licenses.
- Migrated legacy code written in Vb.Net to C# allowing panelboard processing time to decrease by **95%** creating over **\$20000+/year** in cost savings
- Deployed the application on corporate network utilizing Squirrel, NuGet and GitHub actions creating a continuous integration pipeline for automatic updating
- Created, queried, and updated SQL databases, to allow 2-way data transfer between application and the local database

### Project Management Engineer (Co-op), DDO, Toronto, Canada

May 2019 - Sept 2019

- Led Wheelchair instruction development project and design with a total of 6 other team members
- Employed the use of Adobe premiere and Autodesk inventor to create animated assembly videos for construction of the wheelchair leading to **50%** increase in average wheelchair build time
- Utilized Engineering design principles to construct and test wheelchair components to ensure quality control and user satisfaction

## Technical Skills

- **Languages:** Python, C#, JavaScript, TypeScript, C/C++, SQL, Java, Bash, R
- **Frameworks:** Angular, React, Nodejs, .NET framework, .NET Core, Bootstrap, Selenium
- **Programs:** Unity, Git, Azure DevOps, Firebase, Autodesk Inventor, GitHub

## Projects

### Image Editor Control ([GitHub](#)) ([NuGet](#))

- Created WPF image Editor control allowing image editing capabilities such as markups w/ 100+ downloads
- Deployed Image Editor control on NuGet and created CI/CD pipeline

### Employee Tracking Application ([GitHub](#))

- Utilized SQL and Angular 11 to create a web application to track employees and department.
- Used ASP.Net to develop backend REST API

### Covid-19 Analytics Application ([GitHub](#))

- Developed an Interactive Covid-19 tracking application calling the Disease.sh API using React and CSS

## Education

### McMaster University

Sept 2018 – May 2023

- Year 3 – Bachelor of Software Engineering (Co-op), GPA: 3.5/4.0, Minor: Biomedical Engineering
- Relevant courses: Data structures and Algorithms, Functional programming, Databases