

# Ilker Hadzhalaran

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## Skills

### Languages

C#, JavaScript, TypeScript,  
HTML, CSS, Python, PHP,  
MongoDB, MySQL, C++, XAML

### Libraries, Frameworks, Etc.

Angular, NodeJS, WPF (.NET),  
Bootstrap, Jasmine, ExpressJS,  
AG Grid, Mongoose, Firebase,  
RESTful API Architecture

### Tools

Visual Studio, SonarQube, NPM,  
Git, GitHub, Atlassian Suite,  
Postman, Chrome DevTools

### DevOps & CI/CD

Jenkins, OpenShift, IBM uDeploy,  
TeamCity, Artifactory, Docker

### Artificial Intelligence & Machine Learning

TensorFlow, Keras, NumPy,  
pandas, scikit-learn, Matplotlib,  
Conda, Anaconda Navigator,  
Jupyter Notebook, MATLAB

### Other

Linux & Windows Environments,  
Unity Game Engine

## Experience

### Software Developer (Full-time) • Citigroup

Jul, 2021 – Apr, 2024 (2 yr 10 mo) | Mississauga, ON

- Worked on web development in Angular (TS, HTML, CSS), desktop software development in WPF (C#, XAML, .NET), wrote tests in Jasmine/Karma, and interacted with data using MongoDB.
- Worked on large enterprise codebase (310k+ lines of code) for a trading platform and a new codebase for a book building platform.
- Work included building new features (e.g. migrating legacy screens from WPF to Angular, reusable UI components, updating trading calculations, AG Grid customizations), fixing bugs & debugging data flow issues, reducing technical debt, developing unit tests, and more.
  - Example of Work: Created 2900+ line Angular feature to streamline process of updating user permissions. Previously, developers had to manually change permissions, whereas now, business users can do it through a GUI.
- Led releases to production using TeamCity, IBM uDeploy, Jenkins and OpenShift. Coordinated with teams globally (e.g. QA, Support, BA, Dev, and more).
- Resolved time-sensitive issues, such as users' Support queries, production issues, dependency vulnerabilities, etc.
- Created 100+ pages of technical documentation.

### Software Developer Intern (4 months) • McMaster Manufacturing Research Institute

May – Aug, 2020 | Hamilton, ON | See result at: [vimeo.com/450177340](https://vimeo.com/450177340)

- Created data visualization, analytics, and test software for FANUC manufacturing machines in a Windows environment.
- Developed with MongoDB, ExpressJS, Angular, NodeJS (MEAN stack), FANUC's MT-Linki API, and third-party libraries.
- Designed app architecture, used Atlassian Suite workflows, and performed DevOps duties, including managing deployments.

## Education

McMaster University  
Bachelor of Technology in  
Automation Engineering (Co-op)  
Graduated Dec, 2020 | Hamilton, ON

### Co-op Work Completed

28 Months Full-time at 4 Companies

## Personal Projects (More On GitHub)

### QuickPass Password Manager | [quickpass-4ed21.firebaseio.com](https://quickpass-4ed21.firebaseio.com)

- Designed and developed fully responsive Angular-Firebase web app.

### Hackathon: Portfolio Manager App | [vimeo.com/593492344](https://vimeo.com/593492344)

- Angular-Springboot app that helps a user manage their financial portfolio, with real-time API data.

**Video walkthroughs of 13 projects:** [vimeo.com/channels/1525169](https://vimeo.com/channels/1525169)