

AADIT MEHROTRA

Bachelor of Applied Science in Systems Design Engineering at University of Waterloo

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SKILLS

Languages & FrameWorks

Angular TypeScript Vue React C# Python SQL JavaScript ASP.Net Core Node.js RxJs ElasticSearchJs

Services and Tools

Azure DevOps Docker Heroku MongoDB Selenium MySQL Twillio Firebase Git

EXPERIENCE

Software Consultant - **Capco**

May 2022 - Present

Toronto, ON

- **Increased processing speed by 13%** on the asset management platform by incorporating the semantic-core library. **Angular, Formly**
- Transformed the dashboard views on the wealth management portal to use **lazy loading reducing lag times by 0.67s**. **Angular**
- Developed unit test for all components built using Jasmine to increase branch, line and function coverage to **95%**. **Angular**
- **Automated 81 API test cases** to cover both positive and negative scenarios to achieve **90% branch and line coverage**. **Python**

Software Engineer - **Thomson Reuters**

Sept 2021 - Dec 2021

Waterloo, ON

- Investigated security and UI enhancements on the admin portal by conducting technical spikes to **reduce support tickets by 15%**. **SQL**
- Redesigned the admin portal by implementing observables as required and eliminating the need for stores and actions. **MobX, React**
- Re-structured authentication of the portal to use LDAP auth service to increase security and **reduce database costs by 3%**. **C#, Azure**

Full-Stack Engineer - **MCAP**

Jan 2021 - April 2021

Waterloo, ON

- Improved visibility of API failures by using the SignalR library on the internal hedge management tool. **C#, .Net, SQL**
- Designed and Implemented a modern content management service that helped to **reduce production tickets by 7.5%**. **VueJs, .Net, SQL**
- Automated CI/CD pipelines in Azure DevOps to send in real-time updates to the CMS site and log failures. **Yaml, SQL, Powershell**
- **Drove line and branch coverage to 98%** for all admin components on the broker portal via unit testing. **Vue, Jest**

Frontend Developer - **Ontario Digital Service**

Sept 2019 - December 2019

Waterloo, ON

- Deployed a web based notification service using Firebase and Heroku to **reduce physical mail costs by 30%**. **React, Twillio, Firebase**
- **Decreased search lag time by 10%** on the SO Location finder application by using lazy loading and caching. **ElasticSearchJs, Vue, NodeJs**
- Reduced **database costs by 2.5 %** by migrating the mock data for the prototypes to the cloud and hosting the application. **Firebase**

Mobile/Web Developer - **Carfax Canada**

Jan 2019 - April 2019

Waterloo, ON

- Engineered an IOS app that consumed car safety data from REST APIs to inform on the safety of booked vehicles. **Swift, Firebase**
- Aided to develop a dashboard that used real-time data with a drag and drop feature to monitor vehicle defects. **Google Map APIs, NodeJs**

PROJECTS

Relief @ Hack the Globe 2019 (Winner)

March 2019 - Present

Waterloo, ON

- Programmed a web-based dashboard using **React** to consume large data sets of location data and supply quantities to optimize the supply chain for NGOs to collect non-monetary donations that helped **reduced wastage in donated goods by at least 15%**.

MS Teams for Students @ ProdCon 2019 (Finalist)

November 2019 - Present

Waterloo, ON

- Conceptualized a light version of MS Teams by prioritizing features using a data-driven model to be more student focused while creating a seamless on-boarding experience for all stakeholders involved that would **increase user uptake by 10%**.