Matthew Marzec

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EDUCATION

Computer Programming and Analysis (Co-op)   Welland, ON
Niagara College   *Sept 2021 - Dec 2023*

SKILLS

Backend: Javascript, Node.js/Express, REST API, C#, Python, SQL, .NET CORE, .NET MVC, Java
Frontend: HTML/CSS, jQuery, Bootstrap, ReactJS, Next.js
Database: MongoDB, MySQL, SQLite, Sybase
Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

Full-Stack Developer Intern   Toronto, ON
RBC Capital Markets   *May 2023 - Dec 2023*

- Developed modern and user friendly web pages using ReactJS
- Conducted front end performance testing and improved web page loading time and responsiveness by 20%
- Created and modified existing database stored procedures to be used for back end web API's
- Developed new, and improved existing back end web API's using .NET Core

Optical Fibre Field Technician   St. Catharines, ON
Bell Technical Solutions   *April 2022 - May 2023*

- Troubleshooted and conducted appropriate repairs on fibre infrastructure
- Connected new customer to Bell's fiber to the home network
- Ensured customers are receiving quality service the first time around
- Maintained and modifying the existing Bell fiber network as needed to keep up with the current demand

PROJECTS

Travel Companion App | *Node.js, ReactJS*

- Allows users to get information about hotels, restaurants, and attractions based on user's geo location
- Designed API end points to retrieves JSON data and parses up to 400,000 results based on user parameters
- Implemented Google Maps API to display information on a map
- Designed modern and friendly user interactive interface

Monetized API | *Node.js, MySQL, Vanilla HTML/CSS, Stripe API*

- Developed a template that can allow other developers to create a monetized API that can be actively monitored
- Implemented the Stripe API to allow for easy user checkout, and usage monitoring
- Allowed users to subscribe to an API where they are charged based on the amount of API calls
- Designed MySQL database to store hashed user API keys and API usage
- Created admin dashboard to show subscribed users and there usage