

Matthew Marzec

marzecmatthew@gmail.com | <https://github.com/Matt2816>
<https://www.matthewmarzec.com/>

EXPERIENCE

Backend Developer

Toronto, ON

RBC Capital Markets

July 2024 - Present

- Designed and developed a Java microservice to automate user entitlements for FX applications, streamlining access management and reducing manual intervention
- Developed low-latency trading systems for FX market applications using Java and Solace messaging
- Ensured reliable, high-throughput communication between components with message-driven services
- Implemented unit and integration tests to guarantee the reliability and scalability of critical trading systems

Full-Stack Developer Intern

Toronto, ON

RBC Capital Markets

May 2023 - Dec 2023

- Developed intuitive user interfaces with ReactJS to provide portfolio managers and financial analysts with comprehensive tools for tracking, monitoring, and mitigating investment risks
- Utilized .NET framework to build robust, scalable, and secure backend systems handling financial transactions and data processing
- Optimized database stored procedures for backend web APIs, improving performance and scalability
- Actively collaborated with business teams to understand and document requirements for new features, ensuring they align with organizational goals and user needs

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 retrieve 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 their usage

EDUCATION

Computer Programming and Analysis (Co-op)

Welland, ON

Niagara College

Sept 2021 - Dec 2023

SKILLS

Backend: Java, Javascript, Node.js/Express, C#, Python, .NET CORE, .NET MVC

Frontend: HTML/CSS, Bootstrap, ReactJS, Next.js, Tailwind

Database: MongoDB, MySQL, SQLite, Sybase