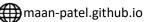# MAAN PATEL

University Of Waterloo **|** 4th Year Engineer

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## Education

**Management Engineering (Option in Computing) -** University of Waterloo          Grad. Jul 2024

## Skills

**Languages**     C#, Python, JavaScript, TypeScript, SQL, Java, Ruby, R, XML, XAML
**Web**              React, Node.js, Django, jQuery, Ruby on Rails, Express.js, Bootstrap, HTML5, CSS, SASS
**Technologies**  .NET, Azure, Git, GitLab, Kafka, Unix, JUnit, xUnit.net, Android Studio, XCode, Visual Studio
**Databases**     MySQL, MongoDB, PostgreSQL, SQLite, SQL Server

## Experience

**Full-Stack Software Developer Intern** │ *Tesla (Palo Alto, CA)*          Sept 2023 –Dec 2023
- Automated process for mass configurations using C# SDK, **resulting in savings of $250,000 over the course of 5 years and over 11 weeks of manual labor**.
- Developed and deployed a middleware REST API using C# .NET Framework and third-party SDKs to automate and integrate with internal security management tools.

**Software Developer Intern** │ *Ceridian Dayforce (Toronto, ON)*          Jan 2023 – Apr 2023
- **Reduced start-up times by 20% to improve application performance** using Azure App Insights and generating timed logs in .NET back-end to identify and resolve the bottlenecks with config files.
- **Fixed 6 critical front-end bugs** using React, TypeScript, JavaScript, and HTML/CSS in time for the release.
- **Consumed and produced 8 Kafka subscriber events** to/from various Kafka topics using Kafka Connect and local libraries for data integration and stream processing with a cross-functional team.

**Full-Stack Developer Intern** │ *Triyo (TS Analytics) (Toronto, ON)*          May 2022 – Sep 2022
- Worked in a start-up environment to create over **60 Pull Requests and solve over a dozen bugs, tasks, and user stories** by working closely with the product, design, and dev team under tight deadlines.
- **Optimized core feature's loading time by 45%** through implementing Lazy Loading with React Hooks, migrating MVC to Entity Framework using .NET with C#, and reducing calls to the database through caching.
- **Created SQL scripts to import over 25,000 records to production database** by using DML statements.

**Mobile Developer Intern** │ *Prometheusgroup – (Remote)*          Sep 2021 – Dec 2021
- Wrote production code on Windows, Android, and iOS platforms for clients such as Nestle, Tarmac, and Messer to **provide ERP solutions integrated with SAP for over 20,000 users.**
- Coded with Java and XML in Android Studio, C# and XAML in Windows Visual Studio, C and C++ in XCode, and ABAB in SAP to **deliver 4 new features and fix more than 15 bugs**.
- **Delivered projects 2 weeks early for several customers** by working closely with a cross-functional team in a Kanban Agile environment using Scrum, Jira, and Jenkins to deliver builds.

## Projects

**Automatic-Stock-Portfolio-Generator -** Python, Django, React, REST API, SQLite, HTML/CSS          Feb 2023
- Generating a stock portfolio is generated from user's Investment Capital, Time of Investment, and Risk Level. Users can also paper trade with $100,000 starting capital. (https://port-gen.herokuapp.com)

**Wonders World -** JavaScript, Node.js, Express, MongoDB, APIs, Async Functions, Password Hashing          Apr 2021
- Application for creating and posting Wonders of the World. (https://wonders-world.herokuapp.com)