

MAAN PATEL

University Of Waterloo | 4th Year Engineer

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Education

Management Engineering - University of Waterloo

Grad. Apr 2024

Courses: Data Structures and Algorithms, Databases and Software Design, Search Engines, Probability and Statistics

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.**
- Created, and deployed a REST API to automate with C# .NET Framework using 3rd party SDK for integration with internal tooling for security management.

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

Simple-Meal – React, Express.js, JavaScript, Python, PostgreSQL, HTML, CSS

Apr 2024

- Created full-stack application for creating a meal plan based on user preferences to help budget meals for a user throughout the week. (<https://simplemeal.live>)