MAAN PATEL

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

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Education

Management Engineering (Pursuing minor in Computing) - University of Waterloo   Apr 2024
Courses: Data Structures & Algorithms, Databases & Software Design, Search Engines, Advanced Probability & Statistics, Linear Algebra, Advanced Calculus, Stochastic Models, Introduction to Machine Learning

Skills

Languages   C#, JavaScript, Python, 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, Terraform, Kafka, Unix, JUnit, xUnit.net, Android Studio, XCode, VS Studio
Databases   MySQL, MongoDB, PostgreSQL, SQLite, SQL Server

Experience

Software Developer Intern **|** *Ceridian (Toronto, ON, CA)*   Jan 2023 – Apr 2023
- **Consumed and produced over 8 Kafka subscriber events** to/from various Kafka topics using Kafka Connect and local libraries for data integration and stream processing with another team.
- **Improved application performance by reducing start up times by 20%** using Azure Application Insights and by generating/analyzing timed logs in the backend to identify and resolve the bottlenecks with config files.
- Used Terraform by HashiCorp to provision private endpoints for storage accounts in infrastructure, which lead to an improvement in performance and security by avoiding call limits.

Full-Stack Developer Intern **|** *Triyo (TS Analytics) (Toronto, ON, CA)*   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%** by 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.

Software/Mobile Developer Intern **|** *Prometheusgroup (Raleigh, NC, USA)*   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 over 4 new features and fix more than 15 bugs**.
- **Delivered projects 2 weeks early for several customers** by working closely with an amazing 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 2021
- A stock portfolio is generated from user's Investment Capital, Time of Investment, and Risk Level. Users can also paper trade in real-time with $100,000 starting capital. (https://port-gen.herokuapp.com)

Wonders World - JavaScript, Node.js, Express, MongoDB, APIs, Async Functions, Password Hashing   Apr 2020
- Full Stack app made using JavaScript, Node.js (for backed), Express (for the web framework), MongoDB (for storing data such as users, locations, description, etc.), Password Hashing, Async JS (for requests), Error Handling Middlewares, and HTML/CSS & Bootstrap (for front-end). (https://wonders-world.herokuapp.com)