Jordan Castro

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SKILLS

- **Languages:** HTML5/CSS/SCSS, JavaScript/TypeScript, C#, SQL, Python
- **Libraries/Frameworks:** Angular, Vue 3, Node, Express, ASP.NET Core, NestJS, NumPy, Pandas
- **Tools:** Git, Microsoft SQL Server, PostgreSQL, Azure DevOps, Data Studio, Visual Studio, VS Code, Heroku

WORK EXPERIENCE

Software Developer | Paralucent | Sept. 2022 – Sept. 2023

- Developed Mutual Fund Fee Calculator app for BMO using Angular Material and .NET Core that generates a summary table and PDF of fee comparisons between 3 portfolio types that can hold over 1200 distinct funds.
- Implemented fee calculations according to fund investment value, fund MER, and specifications for 3 portfolio types, 13 provincial taxes, and total portfolio discounts for Mutual Fund Fee Calculator app.
- Utilized Angular Material to develop typeahead search, filtering of funds by 4 categories, and CRUD operations on Mutual Fund Fee Calculator app portfolio.
- Fixed AODA Accessibility issues on MFFC app pertaining to keyboard and screen reader accessibility.
- Programmed summary screen and form validation on SmartForm app for BMO according to client spreadsheet.
- Created dynamic PDF generation feature for BMO Cost of Borrowing Calculator that allows branch and customer summary copies to be printed for 3 loan transaction and 6 loan type options using ASP.NET and iText.
- Captured data and added validation for multiple forms across 4 steps in the BMO COB Calculator to ensure proper calculations before auto-filling fields for the next step using Angular Material.

Jr. Software Engineer | MCAP | Jan. 2022 – Apr. 2022

- Developed a multipage web analytics dashboard application with a Vue 3 front-end and ASP.NET Core API that uses Highcharts Vue Wrapper and PrimeVUE DataTable to display selected metrics from Microsoft SQL Server production DB sorted by over 10 brands for homeowner, broker, lender, and investor sites for chosen date range.
- Created an interactive web analytics dashboard using Google Analytics/Data Studio for business owners to visualize critical metrics such as user count and traffic source over a selected date range across 10 tenant sites.
- Implemented UI and logic bug fixes for borrower portal lock in feature date pickers using Vue.js.

Front-End UX/UI Developer | Gore Mutual Insurance | May 2021 – Aug. 2021

- Developed vulnerability fixes for 4 API end points on enterprise software using C# and Veracode scans.
- Employed ASP.NET and MySQL to make a single-page report with excel export functionality for a time-tracking enterprise software to display the allocated hours of over 400 employees under a chosen manager and timeframe.
- Updated goremutual.ca plugins, fixed UI bugs, and deployed changes to production on Pantheon.

PROJECTS

LeaQuotesApp

- Built a full-stack mobile web app with Auth0 user authentication using Angular and NestJS that is used to create and display 'conversations' with a title and context.
- Developed a REST API for CRUD operations on conversation entries stored in a multi-table PostgreSQL DB.

MCJewelry Pricing Tool

- Created and deployed a responsive full-stack web application to Heroku with an Express REST API for a jewelry business that is used to manage inventory and calculate item prices by the bead composition.
- Implemented a CRUD back end using NestJS and TypeORM that enables admins to interact with the PostgreSQL DB.

EDUCATION

University of Waterloo – Candidate for BASc in Computer Engineering | Sept. 2020 - Apr. 2025