Marela Carlos

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Skills

Programming Languages: TypeScript, JavaScript, C#, Visual Basic, Java, Python
Web Development/Design: ReactJS, HTML, CSS, SCSS, Node.js, Express.js, .NET Core, .NET Framework, Amazon Web Services, Microsoft Azure, REST API, Adobe XD, Figma, Material UI
Data: SQL, PostgreSQL, NoSQL, GraphQL, SAPHana, Aurora, DynamoDB, MongoDB, Google Analytics

Professional Experience

PBS Systems - *Junior Software Developer* *Jan 2022-Present*
- Implemented HR scheduling functionality in the main PBS application to provide employees across 100+ dealerships with freedom in managing their shift and vacation times
- Developed a reporting feature that analyzes customer data to simplify payroll processes
- Improved stability of the PBS application by 25% and decreased manual testing times through refactoring existing unit tests and creating new test suites for previously untested features
- Reduced application loading times by optimizing backend code to utilize better-suited data structures and algorithms, and by rewriting SQL queries to improve data retrieval speeds
- Designed and developed new features using Visual Basic to automate Accounting tasks, simplifying the daily workflow of dealership accountants

Divestco Geoscience Ltd. - *Software Developer Intern* *May 2021-Aug 2021*
- Restored, re-released, and deployed obsolete REST API to elevate clients' User Experience with their Divestco products by refactoring legacy code to follow current best practices
- Improved reliability and accuracy of numerous products by working alongside geoscientists to develop newer, more in-depth testing suites that employ realistic data sets
- Significantly reduced development and debugging time by writing original documentation and tests for the re-released REST API

Nutrien Ltd. - *Software Developer Intern* *May 2020-Apr 2021*
- Fully owned and developed a custom internal task scheduling application which was deployed for the daily usage of over 20 employees to promote task organization and visibility
- Co-owned and developed new internal KPI dashboards to visualize user activity on customer and sales-facing web applications, rolled out to Nutrien executives to help grow team output
- Translated numerous Figma mockups to create responsive ReactJS User Interfaces
- Developed new REST API endpoints in C# that interface with Google Analytics, SAPHana, and Aurora, found in the backend of Nutrien applications that are used by over 50 users

QuirkLogic, Inc. - *Quality Assurance Intern* *Jan 2020-Apr 2020*
- Improved QA testing and product release times while strengthening knowledge of the user experience by creating thorough hardware and software testing procedures in TestRail
- Performed numerous manual tests across a variety of hardware and software products
- Flashed firmware and manually tested newly built hardware before product deliveries to clients

Education

Bachelor of Science in Computer Science - *University of Calgary* *Sep 2017-Dec 2021*