Brendan D'Souza

Toronto, Ontario | brendan_dsouza@hotmail.com | (905) 466-1285 | LinkedIn

SUMMARY

Software Developer with over 5 years of experience in designing, developing, and optimizing backend systems using C#, .NET, and PostgreSQL. Proven track record in leading process improvements, mentoring junior developers and implementing scalable solutions. Expertise in REST API design, integration and testing, with a strong focus on code quality and maintainability. Adept at integrating complex business requirements to enhance inter-application communication and driving technical excellence through refactoring and best practices.

EXPERIENCE

Software Developer **June 2020 - Present**
Geotab Inc.
- Led a process redesign initiative to transition from a polling-based to an event-driven architecture for external system integrations, designing and developing REST API endpoints to receive pushed updates which reduced data update latency from an average of 7.5 minutes to near-instant.
- Refactored legacy code to incorporate design patterns and adhere to SOLID principles, enhancing the scalability, maintainability and testability of the codebase.
- Collaborated with cross-functional teams and product managers to integrate with third-party logistics companies, sharing API design documents and conducting end-to-end testing to deliver robust features.
- Designed and developed REST API controllers and HTTP clients for third-party integrations to enable seamless communication between software applications.
- Implemented an OData HTTP client to streamline integration with external systems which improved overall integration architecture.
- Developed a comprehensive suite of integration tests using XUnit and WireMock which increased code coverage by over 50% and ensured component reliability.
- Mentor a junior developer in third-party integrations, conducting biweekly knowledge-sharing sessions and delegating tasks to foster professional growth and enhance team capability.

Software Developer Intern **Sept - Dec. 2019**
Thomson Reuters
- Developed a proof of concept to import data from HTTP endpoints to Alteryx using Python and JavaScript.
- Enhanced an internal Java security library to implement API authorization, which strengthened product security.

Full Stack Software Developer Intern **Sept- Dec. 2018**
Software Test Engineer Intern **Jan - April 2018**
Ultimate Software
- Contributed to full stack development using Java and AngularJS, resolving bugs and implementing features to enhance application functionality.
- Built a Selenium and JUnit5 testing framework to improve UI testing efficiency and reduce manual testing time.

EDUCATION

Bachelor of Applied Science, Honours Computer Engineering **2015-2020**
University of Waterloo

SKILLS

Programming Languages: C#, SQL, TypeScript, JavaScript, Java, Python, Golang
Frameworks & Technologies: .NET, PostgreSQL, Angular, XUnit, WireMock, Git, REST APIs, Microservices, Design Patterns, SOLID Principles, Docker, Google Cloud Platform, FastAPI
Tools & IDEs: JIRA, GitLabs, GitHub, Postman, Insomnia, pgAdmin, PagerDuty, Rider, IntelliJ, Visual Studio, Visual Studio Code