Icaro Ryan Oliveira Souza
Software Engineer

✉ contact@icaroryan.com | ☎ + 1 226-201-3869 | 🌐 icaroryan.com | ⌗ icaroryan | 🔗 in/icaroryan

WORK EXPERIENCE

Vehikl   Apr 2022 – Apr 2024
Full-Stack Engineer (co-op)   Waterloo, Ontario
• Developed and maintained versatile software solutions for multiple clients using React, Ruby on Rails, .NET, TypeScript, JavaScript, and MySQL, significantly enhancing client services and optimizing business processes.
• Accelerated development cycles and promoted knowledge sharing by implementing effective mob and pair programming in team-based environments and company-wide tech talks.
• Improved code quality and reliability by utilizing Jira and Agile methodologies, including Scrum and TDD
• Led collaborative coding sessions to assess candidates' technical skills and team dynamics, providing insightful feedback to the hiring team.
• Strengthen client relationships by maintaining proactive communication, delivering robust solutions, and engaging stakeholders through regular solution demonstrations.

Upwork   Oct 2020 – Feb 2021
Freelance Software Developer
• Developed custom software solutions for API integration, task automation, and data extraction for multiple clients, resulting in a 30% increase in workflow efficiency and improved customer experience.
• Maintained a 100% client satisfaction rate by consistently communicating project updates, meeting deadlines, and demonstrating potential prototype functions, leading to all services receiving a 5-star rating.
• Received exceptional client feedback, with comments highlighting 'beyond anything I was expecting' and 'brilliant work,' securing a 100% client recommendation rate due to outstanding deliverables and service.
• Technologies: Python, RESTful API, Appium, Selenium, Visual Basic.

PROJECTS

TrackrFC Demo   Jan 2024 – Present
• Led a team of 4 developers to create a cutting-edge soccer analytics and coaching tool using computer vision and AI to provide tactical insights.
• Awarded the prestigious Conestoga Mastercraft Award for excellence in project execution, beating out over 20 programs in engineering and IT.
• Engineered sophisticated computer vision models to accurately identify soccer balls and players, laying the groundwork for robust analytics capabilities.
• Enhanced ball detection by 70%, dramatically increasing the reliability and precision of the analytics platform.
• Technologies: React.js, Flask, Redis, Docker, PostgreSQL, Typescript, AWS, PyTorch, JavaScript, Python, AI.

Transportation Management System GitHub Demo   Dec 2021
• Directed and collaborated with a team of 3 developers to successfully build a logistics management system, ensuring timely completion and adherence to high standards of quality.
• Employed C#, WPF, and MySQL, adhering to Agile practices and pair programming to ensure the delivery of robust, maintainable code.
• Architected the application using MVC principles, greatly improving its reusability and maintainability for future developments.

AWARDS

Conestoga Mastercraft Award   April 2024
• Selected as the top-ranked final-year project (TrackrFC) across 20+ programs.

EDUCATION

Software Engineering Technology   Jan 2021 – April 2024
Conestoga College, Waterloo, ON   GPA: 4.0