

Keegan Sanctis

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SOFTWARE DEVELOPER/ENGINEER Frontend | Backend | Full Stack Development

Innovative and detail-oriented Software Developer with a strong background in Frontend, Backend, and Full Stack Development. Experienced in Software Quality Assurance, with a proven track record of enhancing product reliability. Proficient in C++, JavaScript, and other languages, with a solid foundation in object-oriented design and software development principles. Committed to delivering high-quality software products and solving complex technical challenges. Passionate about continuous learning and effective teamwork.

Technical Skills: C++, C, JavaScript, HTML5, CSS3, Angular, React, Bootstrap, Python, Kotlin, SQL, Ionic, Linux

- Version Control (Git)
- Database Management
- Agile Methodologies
- Object-Oriented Programming (OOP)
- User Interface (UI) Development
- Software Quality Assurance (QA)
- Automated Testing
- Continuous Integration (CI)
- Debugging

Soft Skills: Effective Communication | Team Collaboration | Problem-Solving | Detail-Oriented | Adaptability

EDUCATION AND CERTIFICATIONS

Bachelor of Computer Science, Minor in Economics

Sep 2018 – Oct 2023

University of Waterloo, Waterloo, ON

Codecademy: [JavaScript](#) | [React](#) | [HTML](#) | [CSS](#) | [Bootstrap](#)

PROFESSIONAL EXPERIENCE

Frontend Software Developer | RoyalTech Electrical, Freelance

Jun 2024 – Present

- Spearheading the design and development of a comprehensive e-commerce website for RoyalTech Electrical utilizing JavaScript, React, HTML, and CSS to establish a robust online presence and streamline the ordering process.
- Implementing advanced features to enable customers to place orders easily and securely, projecting a significant increase in sales of about 40% and enhanced customer retention.
- Collaborating closely with the sales team to ensure the website aligns with business goals, resulting in a cohesive and effective online presence that supports sales objectives.

Software Developer | D2L, Kitchener, ON

Sep 2022 – Dec 2022

- Implemented substantial enhancements to essential user interface (UI) elements and libraries within Brightspace, D2L's flagship product, thereby enhancing user experience for a client base of over 1,300 international organizations.
- Collaborated with cross-functional teams to deliver pivotal UI components using JavaScript frameworks, HTML, and Bootstrap, crucial for the evolution of diverse Brightspace user interfaces, ultimately reaching millions of users worldwide.
- Enhanced the usability and accessibility of Brightspace through strategic and impactful UI development initiatives, resulting in a 25% increase in overall performance metrics and a 15% reduction in user-reported issues.

Software Engineering Consulting | Capco, Toronto, ON

Jan 2022 – Apr 2022

- Leveraged cutting-edge technologies to overhaul BMO Harris Bank's online banking app, ensuring alignment with industry.
- Seamlessly upgraded the codebase from Angular 5 to 13 and Ionic 3 to 5, ensuring the application remained technologically advanced and future-proof, resulting in a performance increase of about 60%.
- Worked closely with the QA team to identify and rectify post-upgrade bugs, ensuring the stability and reliability of the application through rigorous testing and maintenance of a robust unit test suite.

Software Developer | Marsh McLennan, Toronto, ON

May 2021 – Aug 2021

- Overhauled the corporate information systems portal using React and Ionic for frontend development, seamlessly integrating SQL, MongoDB, and Docker on the backend, optimizing company-wide finance and training operations.
- Implemented and managed an Automated Regression Test Suite with CodeceptJS Testing, leveraging Playwright as the framework, enabling seamless continuous integration and deployment processes, thus reducing testing time by 30%.

IT Support & Quality Assurance | Pillar To Post, Toronto, ON

Sep 2020 – Dec 2020

- Addressed operational challenges for home inspectors, performed comprehensive manual testing, and collaborated with developers to ensure smooth deployment of new application versions, enhancing software reliability and effectiveness.

QA Automation Developer | Dye & Durham, Toronto, ON

Jan 2020 – Apr 2020

- Enhanced Econveyance's document management software for law firms by developing automated testing scripts with Nightwatch.js, identifying and reporting software issues, and ensuring robust performance and user satisfaction.

PROJECT

Monopoly

Jul 2020 – Aug 2020

- Crafted and coded the classic game Monopoly, demonstrating proficiency in Object-Oriented Software Development. Applied core Object-Oriented Programming concepts in C++, illustrating mastery in integrating fundamental principles into practical applications.