Keegan Sanctis

ksanctis@umd.edu | linkedin.com/in/keegan-sanctis | Web Portfolio

WORK EXPERIENCE

Full Stack Software Developer | RoyalTech Electrical, Shuwaikh, Kuwait   **Jul 2024 – Present**
- Built, designed, and developed royaltechkuwait.com using React, aimed at expanding the company's online presence with future plans to integrate full e-commerce functionality
- Developed a web-based inventory logging system using React, enabling streamlined year-end physical inventory tracking and reducing logging and report generation time by 50%
- Collaborating with cross-functional teams including marketing and sales departments to integrate SEO best practices into the e-commerce website, anticipating an increase in organic search traffic

Software Developer – Frontend | D2L, Kitchener, ON   **Sep 2022 – Dec 2022**
- Developed 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 design and product teams to develop innovative UI components using JavaScript frameworks (React), HTML, and Node.js, resulting in a 20% increase in click-through rates for the Brightspace platform
- Enhanced the usability and accessibility of Brightspace through strategic and impactful UI development initiatives, resulting in a 15% reduction in user-reported issues

Software Engineering Consulting – Frontend | Capco, Toronto, ON   **Jan 2022 – Apr 2022**
- Implemented agile development methodologies to streamline the overhaul of BMO Harris Bank's online banking app
- 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 page load time decrease of about 35%
- 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 – Full Stack | Marsh McLennan, Toronto, ON   **May 2021 – Aug 2021**
- Revamped the corporate information systems portal by applying React and Ionic resulting in a 55% increase in session durations
- Implemented monitoring and automation solutions using Docker and Kubernetes, streamlining infrastructure operations and ensuring system reliability through automated alerts and issue resolution
- Spearheaded 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**
- Identified and resolved operational challenges for home inspectors by conducting thorough manual testing, resulting in an 80% decrease in software bugs and issues reported by users verified by post-testing error logs
- Successfully ensured smooth deployment of updated software versions by coordinating with cross-functional teams, resulting in a 50% increase in user satisfaction ratings for the new features implemented

Quality Assurance Automation Developer | Dye & Durham, Toronto, ON   **Jan 2020 – Apr 2020**
- Enhanced Econveyance's document management software by developing comprehensive automated testing scripts using Nightwatch.js, to improve software reliability and performance, ensuring robust performance and user satisfaction
- Identified and reported software issues to the development team leading to a swift resolution of 95% of reported bugs within 24 hours and ensuring an improved user experience for law firms

PROJECT EXPERIENCE

Monopoly   **Jul 2020 – Aug 2020**
- Designed and developed a digital version of the classic game Monopoly, showcasing expertise in C++ programming and Object-Oriented Software Development principles
- Implemented advanced algorithms within the game logic to enhance user experience and increase gameplay complexity

EDUCATION AND CERTIFICATIONS

Bachelor of Computer Science, Minor in Economics   **Graduation Year: 2023**
University of Waterloo, Waterloo, ON

Codecademy: JavaScript | React | SQL | HTML | CSS | Bootstrap

SKILLS

Languages & Design Tools: JavaScript, Node.js, React, Angular, Ionic, SQL, C++, C, Python, Kotlin, HTML, CSS, Bootstrap, Linux

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

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