

JACKSON SMITH

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EDUCATION

Carleton University - Bachelor of Computer Science Honours Graduated: December 2023

TECHNICAL SKILLS

Programming Languages | JavaScript, Java, C++, C, Python
Technologies | React, Express.js, Node.js, Spring Boot, MongoDB, PostgreSQL, Azure, Linux, REST API
Developer Tools | Git, GitHub, Postman, Jira, Azure DevOps

EXPERIENCE

Junior SAP Fiori Developer | Tomlinson Group of Companies Current

- Responsible for developing custom applications, enhancing web interfaces with **SAPUI5**, **HTML5**, **CSS**, and **JavaScript**, leading to a 40% improvement in accessibility and user interaction across platforms.
- Created responsive and intuitive user interfaces for Fiori applications, significantly improving end-user experience and satisfaction.
- Collaborated with functional teams to design user-centric solutions, translating complex business requirements into practical web application features.
- Provided technical expertise toward project managers and functional teams to design and develop solutions to meet business needs.
- Conducted code reviews to ensure best practices increasing code quality by 20%.

IT Support Student | Tomlinson Group of Companies May 2023 – Sept 2023

- Developed and implemented automation scripts in **Python** and **PowerShell**, streamlining IT operations and reducing manual efforts, which enhanced team productivity by 98% and facilitated efficient migration and operational processes.
- Utilized Microsoft Endpoint Configuration Manager to efficiently provide remote user assistance and troubleshooting. This approach significantly enhanced user satisfaction, reduced downtime, and improved overall system stability.
- Successfully managed and maintained Active Directory, including user account management, group policy administration, and security protocols.
- Leveraged IT Service Management (ITSM) tools to efficiently handle incident, problem, and change management, ensuring minimal disruption to business operations.
- Conducted **30+** onboarding and end-user training sessions on IT tools and best practices.

Contracting Website | Freelance Development Contract | (imperialcontractingottawa.ca) Next.js

- Conceptualized, designed, and implemented a professional website using Next.js for a prominent Ottawa-based contracting business specializing in comprehensive home renovations, establishing a robust online presence.
- Applied responsive web design principles, resulting in a **50%** improvement in user experience across various devices. Aligned with industry best practices and enhancing the site's accessibility for a diverse audience.
- Integrated client engagement features, enabling seamless communication between the contracting business and prospective clients. This includes intuitive contact forms, ensuring a user-friendly and efficient means for clients to express their renovation needs.
- Leveraged SEO best practices, optimizing the website's visibility on search engines. This initiative contributed to a **30%** improvement in the website's search engine ranking, expanding the business's online reach and solidifying its presence within the local market.

PROJECTS

IMDB Top Movies Web Scraper | Personal Project | (imdb-smith-scraper.vercel.app) React.js | Javascript | Node.js | Express.js | MongoDB

- Developed a MERN stack application utilizing React for the frontend and Node.js with Express for the backend, with a NoSQL database (MongoDB) to store the desired movie data.
- Engineered efficient scraping algorithms with Puppeteer and Cheerio to extract and process movie data from IMDb's top rankings into a structured MongoDB database.
- Designed RESTful APIs for scalable backend architecture, ensuring smooth integration with React frontend components and facilitating application maintenance.

Microcurrent Technology (MCT) Device Simulator | Academic Team Project C++ | Qt

- Oversaw the agile development process for an embedded software system emulating a therapeutic medical device, ensuring accurate feature implementation and thorough codebase validation.
- Crafted and curated UML, sequence, and activity diagrams, enhancing the conceptual understanding and documentation of the intricate software architecture.
- Responsible for the implementation of therapy functionalities within the graphical user interface, ensuring both functional integrity and alignment with project specifications.