 Linked In
Portfolio
 GitHub

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Alexander Steeves

Employment

Canada Border Services Agency **Software Developer** **Spring 2022 – Spring 2023**

- Spearheaded the design and implementation of a Java-based front-end UI, integrating ApachePOI Library to streamline HTML stream storage into a MySQL Database, enhancing data retrieval efficiency.
- Directed the development of an innovative email filing system, dramatically improving user experience by automating task flows, resulting in an 80% time savings for officers through enhanced efficiency.
- Engineered and unit tested a Java and SQL-based interactive database system, significantly boosting operational efficiency for officers by ensuring robust, real-time data access and management.

Canada Revenue Agency **Junior Data Analyst** **Summer 2023**

- Crafted detailed data analytics reports via Cognos BI, achieving a 20% increase in case management efficiency by streamlining data processing and analysis.
- Executed thorough data analysis and visualization with SAS VIYA leading to improvement in strategic decision-making accuracy through enhanced data insights.
- Identified a critical 50% discrepancy between new and legacy databases using advanced Excel functions, leading to a database optimization project that enhanced data integrity and access speed.

Transport Canada **Junior Data Analyst** **Summer 2020**

- Developed a suite of Visual Basic risk assessment applications, markedly improving rail safety and efficiency by automating risk analysis processes, resulting in a 30% reduction in manual review time by officers.

Education

Ottawa, ON **University of Ottawa** **Fall 2018 – Winter 2023**

- BASc in Computer Engineering
- Relevant Courses: Databases; Operating Systems; Data Structures and Algorithms; Computer Architecture

Computer Science Projects

Clarify Smart Mirror **Git Repo**

- Developed a full-stack smart mirror, leading the mobile application development with React Native and Expo Go, and designing the UI with Electron.JS for a seamless Raspberry Pi integration.
- Implemented a RESTful Node.JS server for robust backend management, enhancing user interaction with real-time data retrieval, significantly improving home automation efficiency.

Nourish-Meal Plan Generator **Website – Git Repo**

- Engineered 'Nourish', a dynamic meal plan generator that personalizes user experiences by leveraging React.JS, TailwindCSS, and AWS Amplify.
- Utilized Redux for efficient state management and integrated gpt3.5-turbo API via axios for real-time meal plan generation, enhancing user satisfaction through tailored nutrition planning.l plans.

Personal Portfolio **Website – Git Repo**

- Crafted an engaging online portfolio to professionally showcase my software projects and social media profiles, utilizing Figma for design and React.JS with TailwindCSS for development.
- This portfolio highlights my technical versatility and design skills, offering a comprehensive view of my capabilities to potential employers and collaborators.

Skills

- Java, Python, C++, SQL, JavaScript, HTML, CSS, Kotlin, TypeScript, React.js, Node.js, Angular, React Native, Docker, MySQL, PostgreSQL, AWS, Firebase, GIT/Github, App Development, Jira, Agile Sprints