

JAMA FARAH

SOFTWARE ENGINEER

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Professional Experience

IBM Canada

Markham, Ontario

SECURITIES DATABASE ENGINEER

Sep. 2019 - Sep. 2021

- Designed and implemented SQL queries to streamline database operations for mutual funds, improving efficiency by 30% and minimizing manual errors.
- Converted over 100+ daily client requests into executable tasks, driving precise updates to the Security Masters Database and ensuring data accuracy.
- Engineered Excel VBA scripts to automate data transformation processes, ensuring compliance with software requirements.
- Conducted thorough validation and enrichment of data using a variety of research tools, integrating reliable data sources into the system.
- Authored comprehensive documentation for internal tools, outlining clear guidelines for software usage and maintenance.
- Worked closely with colleagues to troubleshoot complex database issues, methodically tracing root causes, then deploying strategic fixes that enhanced system reliability and prevented future disruptions.
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Imported Brands of Canada

Toronto, Ontario

IT TECHNICIAN

Mar. 2014 - Jan. 2019

- Maintained system efficiency by monitoring computers, systematically recording performance stats to ensure consistent functionality and identify potential issues.
- Managed software and OS installations, configurations, and updates, optimizing system performance and security.
- Upgraded and optimized hardware components, enhancing system capabilities and reliability.
- Applied analytical skills and a methodical approach to diagnose and resolve hardware issues, reducing downtime and enhancing system reliability.
- Provided technical support, including data backup and recovery, network troubleshooting, and remote desktop assistance, ensuring seamless user experiences.

Skills

Languages

JavaScript, Java, SQL, C, Python, HTML, CSS

Libraries & Technologies

React, Typescript, Express, Node.js, RESTful APIs, DB2, Git, AWS, GraphQL, MongoDB, Figma, Agile, UNIX, Linux

Hobbies

Puzzles, Gaming, Learning New Things, Basketball, Music

Projects

Guess The Spanish Word

[Visit Application](#)

FULL STACK MERN WEB APP

- Developed a dynamic MERN web app for language learning, offering engaging activities for basic Spanish proficiency
- Applied Agile SDLC methodology to independently develop and manage the project efficiently, ensuring timely delivery and flexibility in adaptation
- Maintained version control via Git, ensuring seamless collaboration and easy tracking of project changes
- Utilized CSS to craft an intuitive and responsive UI, enhancing user experience across various devices and screen sizes
- Created reusable components and hooks using React.js, streamlining development and promoting code efficiency
- Designed a robust back-end endpoints using Node.js, Express and MongoDB for efficient data management and scalability
- Utilized MongoDB's non-relational database to maintain, modify and manipulate thousands of entries of stored data

Interactive YorkU Map

ANDROID APPLICATION

- Android application written in Java
- Utilized object oriented programming (OOP) simplifying the code structure to make updating the app effortless
- Uses a static map of York University and device location to guide one through Yorks campus
- Displays current longitude and latitude
- Allows for location caching leaving a coloured spot on the map for saved location

Education

York University

Toronto, Ontario

BACHELOR OF SCIENCE (BSC)

Sep. 2015 - May 2022

Computer Science