Sanjith Sivajilingam

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SUMMARY OF QUALIFICATIONS

- Adept in applying object-oriented programming concepts and software development fundamentals using Java.
- Experienced in efficiently manipulating and querying relational databases using MySQL.
- Well-versed in the software development life cycle, microservices, design patterns and using Unified Modeling Language (UML) to visualize and communicate software system structures and behavior.
- Strong problem-solving skills and collaborative mindset, adept at analyzing complex issues and working effectively within cross-functional teams to deliver innovative software solutions.

TECHNICAL SKILLS

- Programming Languages: Java | SQL | HTML | CSS | JavaScript | C | React | MicroPython | Scratch
- Other Software: Git | MySQL | FastAPI | Docker | Vite | MATLAB | Altera Quartus II | Microsoft Office

EXPERIENCE

Web Developer **The Good Guides** *Scarborough, ON, CA* **Present**
- Redesign and modernize the existing non-profit organization website, leveraging Figma to create visually appealing and user-friendly designs that align with the organization's goals and target audience.
- Collaborate with a partner developer and communicate with the non-profit team to develop website new features aimed to achieve a 50% increase in site visits and a 25% improvement in viewer retention rates.
- Cooperatively contribute to website design, development of sitewide navigation, information architecture, and user experience to ensure an intuitive interface and seamless access to relevant content.

ACADEMIC PROJECTS

World Robot Olympiad Capstone Project (MicroPython/Scratch) **2024**
- Worked with a team in developing solutions for the several WRO missions using EV3 Robots.
- Engineered algorithms for efficient line following and precise maneuvering, using testing and optimization techniques to guarantee both speed and accuracy, and comparing the efficiency of MicroPython and Scratch.

Portfolio Website (HTML/CSS/JavaScript/Git) **2023**
- Designed a visually captivating and user-friendly portfolio website using Figma showcasing my work.
- Hosted my portfolio website on GitHub Pages, enabling easy access and visibility for potential viewers.

StudentConnect (JavaScript/HTML/CSS/React/Vite/Git) **2023**
- Collaborated with a team of 4 peers to participate in Devpost's Treasure Hacks 3.0 hackathon, where we brainstormed, designed, and developed a solution to address the pressing issue of academic setbacks and communication challenges faced by students during the COVID-19 pandemic.
- Contributed to the development of an engaging website aimed at helping students reconnect with their peers and providing interactive tools to enhance academic productivity in a fun and intuitive manner.

Database Management System (SQL/MySQL/Git) **2022**
- Designed a medical clinic database management system on Oracle SQL Developer with a team of 3 peers.
- Implemented an ER model diagram to visually represent the relationships between various unique entities.
- Created and populated tables, while designing and executing multiple complex queries and joins to ensure efficient data management and retrieval within the medical clinic database system.

Bookstore Application (Java/JavaFX/Git) **2022**
- Collaboratively developed an interactive GUI digital bookstore application with a team of 4 peers.
- Implemented various diagrams such as a state design pattern and UML diagrams such as class and use case.
- Created administration and customer interfaces with corresponding frontend and backend functionalities.

EDUCATION

Bachelor of Engineering **Toronto Metropolitan University** *Toronto, ON, CA* **09/2020 – 04/2024**
- Major in Computer Software Engineering
- Relevant Coursework: Software Testing & QA, Distributed Cloud Computing, Software Project Management, Operating Systems, Software Design Architecture, Software Requirement Analysis, Advanced Algorithms