

# MITHUUSAN KIRUPANANTHAN

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## SKILLS

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**Programming Languages:** Python, Java, JavaScript, C/C++/C, TypeScript, SQL, HTML/CSS, Node.js

**Frameworks/Tools:** React, Git, GitHub, Vue.js, Vite, Next.js Google Cloud Platform (GCP), PostgreSQL, Anypoint, Jenkins, JIRA, Confluence, Visual Studio Code

**Concepts/Interests:** Agile, Artificial Intelligence (AI), Back-end, Cloud Computing, Databases, DevOps, Finance/Fintech, Full Stack, Machine Learning (ML), Networks, Product Management, Security, Scrum, Software Development Life Cycle (SDLC)

## EXPERIENCE

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### Program Officer

10/2024 – Present

*Stephen Lewis Foundation*

*Toronto, Canada*

- Built and automated a real-time Power BI dashboard linked to a Microsoft Form, to produce data visualizations; eliminating manual report analysis and increasing the stakeholder's data retrieval speed by 25%.
- Utilized SQL and Excel to query and manipulate data from the SKY grant-making database, producing 100+ tailored reports, reducing turnaround times.
- Worked alongside the finance team to pinpoint and resolve data inconsistencies, improving data reliability and reducing monthly reconciliation errors by 40%.
- Conducted daily quality assurance reviews of international wire transfer packages, identifying and correcting documents to ensure clarity and high accuracy in accordance with organizational protocols and requirements.
- Produced weekly and monthly reports using advanced SQL queries on SKY to track project progress, and disbursement history for fiscal reconciliation; improving data accuracy.

### Full Stack Developer

01/2025 – 04/2025

*Riipen*

*Toronto, Canada*

- Carried out the Scrum development framework within a team of 4 to deliver a fully functional, responsive website for a DJ business, ensuring on-time delivery through efficient sprint planning and iterative reviews.
- Optimized website visibility by applying SEO practices and integrating Google Analytics, resulting in a 25% increase in website traffic and data-driven insights into user behaviour.
- Leveraged the Google Business Profile API to integrate real-time review displays on the website, boosting user trust and engagement through up-to-date content.
- Developed a fully functional contact submission form with a custom backend, enabling data storage of the form's request and automated real-time notifications to the stakeholders, streamlining client communication and improving lead response time by 15%.

### Cloud and DevOps Engineer (Intern)

05/2022 – 12/2022

*Equitable Bank*

*Toronto, Canada*

- Developed and managed the Digital Banking team's Confluence pages, enhancing ease of use and boosting workflow efficiency.
- Contributed to the timely execution of 50+ major service requests for a pre-paid card project.
- Performed a comprehensive analysis of resource utilization, error patterns, and performance bottlenecks using Kibana, resulting in improvements to the efficiency of the digital banking app.
- Leveraged Jenkins and Anypoint MuleSoft tools to proactively enhance and maintain lower environment API's, ensuring system stability, functionality, and overall performance.
- Supported 20+ significant digital banking releases, employing meticulous planning and execution, delivering high-quality products to stakeholders.
- Effectively managed Production and Staging Lower environments within the Temenos platform, ensuring seamless operations and successful Close of Business processes.
- Utilized Microsoft Excel and Draw.io to create an essential API dependencies map for the transition from MuleSoft to Argo CD, ensuring accurate updates and preventing system failures.
- Facilitated weekly release management meetings with the digital banking team, overseeing project updates and providing information on upcoming releases.

Additional Experience:

## Equitable Bank Intern Case Competition

- Participated in a group case competition with 40 fellow interns, tasked with creating an innovative product that aligned with the bank's purpose.
- Developed an all-digital banking card, which leveraged the bank's pre-existing digital infrastructure, with consideration of time, cost, and scope metrics.
- Enforced robust security measures through the implementation of hashing and tokenization, aimed at securing customer data during transactions.
- Delivered a thoroughly researched presentation outlining the project idea and the development plan for the product to the CEO and Vice Presidents of the organization.

## PERSONAL PROJECTS

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### OSP

01/2025 – 04/2025

- Built a full-stack e-commerce site with secure user authentication, dynamic product catalog, and real-time admin dashboard using PHP, SQL, HTML, CSS, and JavaScript.
- Created modular PHP scripts for efficient CRUD operations within a XAMPP environment, enabling robust database integration and seamless user workflows from browsing to checkout.
- Integrated the Google Maps API to visualize delivery routes and optimize logistics, improving delivery efficiency and enhancing the customer fulfillment experience.

### Leave & Absence Dashboard

08/2023 – 12/2023

- Designed and developed a Leave and Absence Dashboard website utilizing the Waterfall Software development methodology.
- The system was built using HTML and CSS for the front end, Python with the Flask framework for the back end, and SQL for the database.
- Increased security and efficiency by implementing user verification and optimizing data management, resulting in improved run-time performance and ease of access for users.

### Java ATM Banking Machine

01/2023 – 04/2023

- Developed a Java-based ATM system using the Spiral development model, implementing key features such as withdrawals, deposits, and transfers while maintaining data integrity and authentication.
- Built a modular, object-oriented architecture with JavaFX for the GUI, applying principles like encapsulation and polymorphism to ensure the interface was maintainable and scalable.
- Utilized unit, integration, acceptance, and performance tests to validate functionality, usability, and system reliability against the given requirements.

## EDUCATION

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### Bachelors of Science in Computer Science (Honours)

09/2021 - 04/2025

Toronto Metropolitan University

Toronto, Canada

- Concentration in Software Engineering
- **Relevant Coursework:** Software Engineering, Data Structures & Algorithms, Operating Systems, Object-Oriented Design & Analysis, Project Management, Databases, Web Applications, Extreme Programming & Agile Processes

## CERTIFICATIONS

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### Level Up: JavaScript - LinkedIn

12/2023

- Built a strong foundation in JavaScript, focusing on its role in modern web and software development in both front-end and full-stack environments.
- Applied programming concepts such as control flow, data manipulation, and event-driven programming through coding practice and real-world application scenarios.
- Created and developed a number of interactive web applications to demonstrate proficiency in producing clean, readable, and maintainable code.

### Full Stack and Front End Web Development - LinkedIn

12/2023

- Gained fundamental and practical skills in full-stack web development, using HTML, CSS, JavaScript, SQL, and RESTful APIs.
- Attained experience in client-side and server-side development, developing the ability to combine front-end design with back-end functionality seamlessly.
- Applied the full-stack development skills to design and build a responsive Leave & Absence Dashboard web app, demonstrating real-world problem solving.