

MITHUUSAN KIRUPANANTHAN

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SKILLS

Programming Languages: Python, Java, JavaScript, C/C++/C#, Bash, TypeScript, SQL, HTML/CSS, PHP

Technologies: React, Git, GitHub, Vue.js, Vite, Next.js, Node.js, Google Cloud Platform (GCP), PostgreSQL, Anypoint, Jenkins, JIRA, Confluence, Visual Studio Code, MS Office, Sharepoint

Areas of Expertise: Artificial Intelligence (AI), Back-end, Cloud Computing, Databases, DevOps, Full Stack Development, Networks, Product Management, Computer Security

EXPERIENCE

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 the need for manual report analysis.
- 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.
- 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.
- Generated bi-weekly reports using advanced SQL queries on SKY to track project progress, and disbursement history, supporting accurate fiscal reconciliation.

Full Stack Developer

01/2025 – 04/2025

Riipen

Toronto, Canada

- Carried out the Scrum development framework within a team 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.
- Created an automated workflow that sent real-time notifications to the stakeholders, streamlining client communication and improving lead response time.

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.
- Performed a comprehensive analysis of resource utilization and error patterns using Kibana, identifying and resolving critical system errors.
- Leveraged Jenkins and Anypoint MuleSoft tools to proactively maintain lower environment API's, ensuring system stability, and overall performance
- Coordinated 20+ significant digital banking releases, with thorough 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 a vital API dependencies map for the transition from MuleSoft to Argo CD.
- Facilitated weekly release management meetings with the digital banking team, overseeing project updates and providing information on upcoming releases.

Equitable Bank Intern Case Competition

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

PERSONAL PROJECTS

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

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

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.