

Harishan Amutheesan

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TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, Dart, SQL, Bash, VB, HTML/CSS, XML

Tools: Flutter, Jenkins, Git, BitBucket, Firebase, UFT One, ALM/QC, JUnit, Maven, Spring Boot,

Enterprise Systems: SAP — ECC, S/4 HANA, SolMan, ChaRM

PROFESSIONAL EXPERIENCE

IT Developer

May 2022 – January 2025

Canada Revenue Agency

Ottawa, ON (Remote)

- Implemented automated SAP testing infrastructure using **UFT** and **Quality Center**, enabling parallel testing execution that reduced cycle time by **65%** and improved defect detection by **30%** across **12** functional teams
- Served as Scrum Master for **2 sprints** and participated in **30+** **Agile sprints**, contributing to test strategy development and implementation
- Implemented end-to-end testing solutions for SAP modules (**FI, HR, Asset Inventory, Procurement**)
- Fabricated a **5-tier BPML** tracking **500+** requirements to ensure complete traceability between requirements, test cases, and business processes across Finance teams

Engineering Fellow

May 2023 – August 2023

Engineers Without Borders

Uganda (On-site)

- Designed sustainable solar battery leasing solution leveraging **IoT** and **USSD** technology to improve energy access for **13+** rural businesses in Uganda
- Conducted technical analysis and system mapping across rural villages to develop prototypes integrated with local infrastructure constraints
- Developed market-ready solar energy solution through rapid prototyping and environmental analysis, targeting a **\$60M** market opportunity
- Established partnerships with local businesses, battery suppliers, and IoT technology providers through successful stakeholder presentations

Systems Integration & Testing Specialist

January 2022 – August 2022

Thales Rail Signalling Solutions

Toronto, ON (Hybrid)

- Executed integration testing of safety-critical train control systems with **100%** validation coverage
- Configured physical train hardware systems for testing in lab
- Managed **200+** test cases while maintaining documentation accuracy for safety compliance
- Conducted system validation demonstrations for clients across multiple hardware versions
- Implemented test environments using **Jenkins** and **Linux** that improved system reliability

Software Development Intern

June 2021 – September 2021

Scrapp

Boston, MA (Remote)

- Developed **Flutter** UI components that improved user engagement
- Built responsive interface with **Azure** backend that supported **50+** daily active users
- Implemented testing strategies that achieved **90%** code coverage

EDUCATION

Carleton University

Bachelor of Engineering in Software Engineering

Ottawa, ON

Expected May 2025

PROJECTS

E-Commerce Platform | *Spring Boot, MySQL, REST API*

- Built application platform using **Java** that handles user cart management and **secure transaction processing**
- Implemented admin dashboard with **inventory management system** supporting **real-time** product updates

Hospital OR Scheduling App | *Flutter, Firebase, Mobile App Development*

- Developed a **full-stack** app that incorporates **real-time SMS** notifications and supports **multiple platforms**
- Implemented surgery scheduling with **role-based access**, **dynamic filtering**, and a user-friendly interface