

Muhammed Irshath

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Aspiring full stack developer with hands-on experience building internal tools and web applications. Strong interest in solving real-world problems through practical, iterative development and collaborative teamwork. Quick to learn new technologies and adapt to different project needs, with a focus on delivering usable solutions for end users.

EDUCATION

Singapore Institute of Technology

Aug 2023 – Apr 2027

- BEng (Hons) Information and Communications Technology (Software Engineering)

Singapore Polytechnic

Apr 2018 – Apr 2021

- Diploma in Computer Engineering

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Python, C#, Kotlin
- Web & Frameworks: HTML5, CSS3, JavaScript, Node.js, Flask, React, PHP, ExpressJS
- Database & Cloud: MySQL, Firebase, Google Cloud, MongoDB
- Tools & Platforms: Git, Docker, Cisco Packet Tracer

WORK EXPERIENCE

Student Developer (Contract), SIT | Singapore

Sep 2024 – Dec 2024

- Improved internal data-entry efficiency for SIT's ITT team by designing and building a Python Tkinter desktop interface, reducing manual steps in their previous process
- Enabled real-time updates of project records by designing MySQL schemas and queries, which eliminated the need for manual spreadsheet consolidation.
- Aligned the product with ITT officers' workflow by running design review sessions and iterating on UI prototypes, leading to positive feedback and adoption in their team

QA Engineer (Internship), EZ-Link | Singapore

Aug 2020 – Feb 2021

- Supported successful certification of payment terminals for multiple merchant acquirers by executing test scripts and performing SAM key injections, helping ensure compliance with EZ-Link 3.0 requirements.
- Improved collaboration and test coverage by setting up a BDD-based automation test suite, allowing developers, QA, and business stakeholders to share a common language for acceptance criteria
- Reduced integration issues between EZ-Link 3.0 and the test environment by implementing a DTO layer, standardising data formats across services

AWARDS AND ACHIEVEMENTS

- Founder Scholar – MTFA Founder Scholarship

2024, 2025

- 58th Section Commander Course – Singapore Civil Defence Force

2022

CO-CURRICULAR ACTIVITIES

Member | SIT Developers Club

Aug 2023 – Present

- Actively participates in networking events and hackathons to gain insights into emerging technologies

