

# Irfan Syakir Bin Abdul Rahim

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## WORK EXPERIENCE

### ST Engineering

Singapore

DevOps Intern

May 2024 - Jul 2024

- Developed and integrated CI/CD pipelines using GitHub Actions and GitLab CI, reducing release cycles from bi-weekly to weekly while maintaining a 98% deployment success rate.
- Engineered containerized applications with Docker that standardized development environments, improving cross-team collaboration and reducing environment-related bugs by 50%.
- Implemented infrastructure-as-code using Terraform, applying software engineering principles to infrastructure management that improved system reliability by 25%.
- Created comprehensive technical documentation and technical guides that reduced onboarding time for new developers by 50% and improved knowledge sharing across teams.
- Designed and deployed monitoring solutions using test-driven development approaches, enabling 45% faster identification and resolution of software issues before user impact.

### Accenture

Singapore

Business Analyst

Mar 2020 - Jun 2020

- Developed automation scripts and applications using object-oriented programming principles, processing data across 10+ system environments and improving efficiency by 60%.
- Built data transformation applications that extracted and processed complex Excel datasets, implementing error handling and data validation that prevented critical inaccuracies.
- Engineered software testing frameworks that accelerated execution times by 30%, utilizing modular design patterns for improved maintainability and extensibility.
- Refactored existing code to resolve performance bottlenecks, implementing design patterns that improved system reliability by 25% and ensured consistent operation.

Test Analyst Intern

Sep 2019 - Feb 2020

- Designed and implemented automated testing solutions using BluePrism, applying software engineering best practices to create reusable components that reduced testing time by 40%.
- Developed comprehensive test frameworks that validated system functionality with 98% accuracy, implementing regression testing that decreased defect rates by 25%.
- Collaborated in cross-functional agile teams to streamline validation protocols, participating in daily scrums and sprint planning that increased development throughput by 50%.

## EDUCATION

### Nanyang Technological University (NTU)

Singapore

Bachelor of Engineering in Information Engineering and Media

Graduation Date: Aug 2025

### Singapore Polytechnic (SP)

Singapore

Diploma in Computer Engineering

Graduation Date: Mar 2020

## PROJECT EXPERIENCE

### Fourier Forge

Singapore

Final Year Project

Aug 2024 - Present

- Architected and developed cross-platform mobile applications using Flutter, implementing clean architecture principles that separated business logic from presentation layers.
- Applied UX/UI design principles to create intuitive interfaces that rendered complex mathematical concepts into interactive visualizations, improving user comprehension significantly.
- Implemented responsive frontend components with state management solutions that optimized performance across iOS, Android, iPadOS, and Web platforms.
- Applied Test-Driven Development and Continuous Integration practices that improved code quality and reduced bugs by 35% during cross-platform testing.

- Designed and integrated RESTful APIs and backend services on Digital Ocean, implementing secure coding practices and achieving 99.5% application uptime.

### JamStream

Singapore

Design Innovation Project

Aug 2023 - Nov 2023

- Collaborated in an agile team of 9 students to build a social music streaming application, participating in sprint planning and weekly standups.
- Developed responsive frontend components using React Native and JavaScript that implemented unit tests for critical functionality, improving user engagement by 40%.
- Designed and built API integrations between Spotify and Firebase that implemented proper error handling and state management patterns.
- Applied performance optimization techniques to React components that reduced rendering cycles by 25% and improved application responsiveness.
- Participated in code reviews and implemented secure coding practices, contributing to consistent code quality that accelerated feature delivery by 20%.

### LEADERSHIP & CCA EXPERIENCE

#### NTU Escendo 2025

Singapore

Vice President (Branding and Marketing)

Aug 2024 - Present

- Led the development of digital assets and web content using modern frontend technologies, improving event visibility by 40%.
- Managed cross-functional teams in implementing digital marketing solutions, applying project management methodologies that improved coordination efficiency by 35%.

#### NTU Garage@EEE

Singapore

Branding and Marketing Subcommittee Member

Aug 2024 - Present

- Designed and developed strategic marketing collateral that elevated brand recognition by 25%, including high-engagement Instagram posts that generated 50% more interaction than previous campaigns.
- Formulated targeted brand strategies aligned with stakeholder objectives, resulting in consistent messaging that increased audience reach by 30% across digital platforms.

#### NTU EEE Club

Singapore

Branding Subcommittee Member

Sep 2022 - Sep 2023

- Assisted in the Branding and collaterals such as social media posts and merchandise of EEE Club.
- Revitalized the club's brand identity through cohesive visual elements and consistent messaging across multiple platforms, strengthening brand recognition by 40% among the student population.

### SKILLS

#### Programming

Java, Python, JavaScript, C/C++, C#, Dart, SQL,

#### Languages

HTML/CSS, PHP, Bash/Shell/Powershell, zsh, YAML,

**Frontend:** React, React Native, Flutter, HTML5, CSS3, JavaScript, Bootstrap

**Backend:** RESTful APIs, Apache Tomcat, Node.js, Database Design, SQL, Firebase

#### Software

Test-Driven Development, CI/CD, Version Control Systems, Code Reviews, Agile/Scrum

#### Engineering

#### DevOps &

GitHub Actions, GitLab CI, Docker, Terraform, Amazon Web Services, Microsoft Azure,

#### Tools

Digital Ocean

#### Operating

Windows, macOS, Linux (Ubuntu)

#### Systems