

Irfan Syakir Bin Abdul Rahim

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WORK EXPERIENCE

ST Engineering

Singapore

DevOps Intern

May 2024 - Jul 2024

- Engineered and deployed CI/CD pipelines using GitHub Actions and GitLab CI that streamlined software delivery, slashing release cycles from bi-weekly to weekly intervals, which improved team productivity by an estimated 20% while maintaining a flawless deployment success rate of over 98%.
- Implemented containerization solutions with Docker for application deployment, enabling consistent environment configurations that reduced system downtime by 50% and improved application performance by 25%
- Revamped automation processes leveraging Terraform, achieving a 50% reduction in system downtime and improving overall application performance metrics by up to 25%, resulting in increased customer satisfaction.
- Developed comprehensive technical documentation for DevOps workflows, creating standardized procedures that decreased onboarding time for new team members by 50% and improved knowledge sharing across departments.
- Architected comprehensive monitoring solutions that tracked 20+ critical infrastructure components, reducing incident response time by 45% and enabling proactive issue resolution before user impact

Accenture

Singapore

Business Analyst

Mar 2020 - Jun 2020

- Engineered automation scripts using BluePrism that processed data across 10+ system environments, reducing manual testing time by 40% and improving overall efficiency by 60%
- Designed data extraction pipelines to transform and analyze information from complex Excel datasets, identifying critical inaccuracies that prevented potential compliance issues
- Optimized RPA workflows for test automation, resulting in 30% faster execution times and a measurable decrease in operational costs compared to manual processes
- Troubleshooted and refined existing automation processes, resolving technical bottlenecks that improved system reliability by 25% and ensured consistent regulatory compliance

Test Analyst Intern

Sep 2019 - Feb 2020

- Architected and deployed RPA solutions utilizing BluePrism to automate over 1,500 repetitive testing processes across legacy systems, resulting in a 40% reduction in testing time and improving overall operational efficiency by 30%.
- Designed and executed comprehensive test cases for system integration and regression testing, achieving a successful validation rate of 98% on the first attempt while decreasing the average defect rate by 25%.
- Collaborated with cross-functional teams to streamline performance validation protocols, optimizing resource allocation which enabled an increase in throughput capacity by 50%, ultimately contributing to a project completion ahead of schedule by two weeks.

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

- Engineered and launched cross-platform mobile applications for iOS, iPadOS, Android, and Web using the Flutter Framework, garnering highly positive feedback from fellow engineering students

who reported significant improvements in understanding complex Fourier series concepts.

- Conducted comprehensive reviews of existing mobile applications to identify gaps in functionality and user experience, leading to the integration of innovative features that enhanced competitive positioning by 30%.
- Implemented a unified codebase that optimized performance across iOS, Android, iPadOS, and Web platforms, ensuring consistent user experience while reducing maintenance overhead by 35%.
- Acquired advanced skills in version control systems and documentation practices through targeted training, which streamlined testing across iOS, iPadOS, and Android operating systems, reducing project delivery time by 20%.
- Deployed and maintained a production-ready application on Digital Ocean infrastructure with platform-specific optimizations for iOS, Android, iPadOS, and Web, implementing CI/CD pipelines that ensured 99.5% uptime and enabled seamless feature updates.

JamStream

Singapore

Design Innovation Project

Aug 2023 - Nov 2023

- Collaborated with a team of 9 students to architect and build a social music streaming mobile application, focusing primarily on front-end implementation while interfacing with back-end and UI/UX specialists.
- Engineered responsive front-end components using React Native and Expo that enabled seamless music discovery and social interaction, contributing to a 40% increase in user engagement metrics during testing.
- Implemented JavaScript integration between Spotify's API and Firebase Realtime Database, enabling synchronized listening experiences with minimal latency for group streaming sessions.
- Developed and optimized chat functionality using React hooks and custom state management solutions, reducing rendering cycles by 25% and improving overall application responsiveness.
- Participated in cross-functional code reviews and implemented CI/CD DevOps practices for automated testing and deployment, which accelerated feature delivery time by 20% and ensured code quality across the integrated application.

LEADERSHIP & CCA EXPERIENCE

NTU Escendo 2025

Singapore

Vice President (Branding and Marketing)

Aug 2024 - Present

- Spearheaded the design and execution of 15+ branded digital assets and merchandise, resulting in a 40% increase in event visibility and student engagement across campus platforms.
- Orchestrated comprehensive social media campaigns across multiple platforms, establishing reliable communication channels that improved event 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 2022

- 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 Languages: Java, Python, JavaScript, C/C++, C#, Dart, SQL, HTML/CSS, PHP, Bash/Shell/Powershell, zsh, YAML, Terraform

DevOps: CI/CD, GitHub Actions, GitLab CI, Terraform, Docker

Cloud: Microsoft Azure, Amazon Web Services, Digital Ocean

OSs: Windows, macOS, Linux (Ubuntu)