

AMIIR HAMZAH BIN BAKRI

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SUMMARY

A graduate with a Bachelor's degree in Computing Science from Singapore Institute of Technology (SIT) in partnership with University of Glasgow. Attained hands on-experience in full-stack software and mobile development through internships and projects. Acquired previous exposure to cybersecurity domains through projects in Nanyang Polytechnic while undergoing the Diploma in Cybersecurity and Digital Forensics.

WORK EXPERIENCE

Infosys Limited

Singapore

Technology Associate

June 2025 - Present

- Completed comprehensive training in full-stack software development, focusing on Java Spring Boot, Angular, and SQL for building web applications
- Earned Infosys Certified Spring Associate and Infosys Certified Angular Associate credentials by successfully passing majority of the technical assessment test cases
- Collaborated in a team of 5 to deliver a full-stack capstone project, WanderLust, a holiday-package web application. Enhanced system features such as reset password, trip browsing, booking functionality, input validations and session handling to improve overall user experience and performance
- Gained hands-on experience with RESTful API development, frontend component design, database integration, frontend and backend data validation, JUnit testing, and Agile development practices throughout the project lifecycle and training period

uParcel

Singapore

Software Engineer Intern

August 2023 - Apr 2024

- Integrated the Singpass MyInfo API into the uParcel mobile app to streamline the signup process for uParcel delivery agents eliminating the need for manual NRIC photo uploads, using Python Django, Flutter Dart and PostgreSQL
- Singpass integration deployed on the live version of the uParcel mobile app in February 2024, enhancing user authentication and streamlining the signup process
- Integrated WhatsApp API into the uParcel ecosystem to replace SMS with WhatsApp for customers to receive delivery notifications
- Utilized AWS Lambda functions to establish the WhatsApp webhook endpoint, implementing a dynamic message template selection process that enhanced customer engagement based on replies in the WhatsApp chat
- WhatsApp integration deployed to all customers in December 2023, enhancing communication efficiency and user engagement
- Facilitated feature enhancements and resolved bugs for the uParcel web and mobile applications, leading to improved user experience and increased app stability

ST Engineering

Singapore

Software Developer Intern

Sep 2018 - Nov 2018

- Collaborated with a partner to develop a full-stack web application utilizing React JavaScript for the frontend, Spring Boot Java for the backend and MongoDB database, implementing REST APIs, resulting in effective management of users and attendance tracking
- Developed and presented a functional prototype by the conclusion of the internship, contributing to project advancement

UNIVERSITY PROJECTS

ENDOSCOPY SCHEDULING AND TRACKING

Jan 2023 - Apr 2023

- Developed a fully functional prototype Android mobile application using Kotlin and Firebase Firestore, for Tan Tock Seng Hospital's Endoscopy Centre to digitalise endoscope tracking and sampling schedules, reducing reliance on handwritten records and minimising human errors
- Ensure secure centralised data management by integration with Firestore, and access control by implementing login function

- Implemented barcode scanning and accelerometer shake-to-scan features to streamline scope identification, reducing manual entry and improving workflow efficiency
- Integrated a monthly calendar view with clearly marked scope sample schedules, reducing manual misinterpretation and improving operational accuracy

EDUCATION

SINGAPORE INSTITUTE OF TECHNOLOGY
Bachelor of Science with Honours in Computing Science

Singapore
Sep 2021 - Sep 2024

Relevant Coursework: Software Development; Database Systems; Data Structures and Algorithms, Object Oriented Programming

NANYANG POLYTECHNIC
Diploma in Cybersecurity and Digital Forensics

Singapore
Apr 2016 - Apr 2019

ADDITIONAL

Skills: Programming, Detail-Oriented, Interpersonal Skills
Certifications: CompTIA Security+ (SY0-701)