

MOHAMMED AWADALLAH

Software Engineer | Backend & Cybersecurity focus

+966 53 386 3478 | mohammoh@hotmail.com | linkedin.com/in/mohammedh-awadallah | Riyadh, Saudi Arabia

EXPERIENCE

Software Development Intern

Ideas 2000 Solutions | 04/2026 – Present | Dubai, UAE

- Accepted for a 16-week industrial internship focused on the full software development life cycle for an ongoing live project.
- Expected to support software development, documentation, testing, and project coordination tasks under professional supervision.
- Will gain practical exposure to software engineering standards, business operations, and organisational workflows.

Senior Helper

International Office, Taylor's University | 08/2025 – 03/2026 | Malaysia

- Managed structured student database records ensuring immigration and academic data accuracy.
- Processed and validated high-volume visa and registration records.
- Coordinated cross-department workflows involving CMS and EMGS systems.

Secretary

Taylor's Student Clubs & Societies (TSSC) | 04/2025 – 04/2026 | Malaysia

- Handled administrative tasks including organising meetings, managing communications, and maintaining records.
- Managed administrative records ensuring data accuracy and full traceability.

EDUCATION

Bachelor of Software Engineering (Dual Award)

Taylor's University & University of the West of England | 09/2023 – 09/2026 | Malaysia & UK

- Studying software development, engineering principles, project management, database systems, and secure application development.
- Dean's List: 2024 · 2025 · 2026.

Extension: Cyber Security

Taylor's University | 04/2025 – 01/2026 | Malaysia

- Focused on network security, ethical hacking, cyber threat analysis, and automotive cybersecurity research.

PROJECTS & RESEARCH

Unified E-Services Platform

Taylor's University IO | Java Spring Boot · MySQL · REST APIs · JWT | 10/2025 – 01/2026

- Designed a three-tier enterprise architecture for student services, workflow automation, and system integration.
- Mapped integration concepts for CMS, EMGS, and Salesforce (JARVIERS) workflows with secure data handling.

Enhancing Urban Traffic Monitoring with Edge Computing and Real-Time Security

Published Research | 2025

- Explored edge computing and security concepts for real-time traffic monitoring applications.

SUMMARY

Software Engineering undergraduate focused on backend development, secure API design, and enterprise system architecture. Strong foundation in Java Spring Boot, relational database design, and workflow automation. Experienced in implementing token-based authentication, role-based access control, and data protection practices aligned with regulatory standards. AWS Cloud Practitioner certified.

CERTIFICATIONS

AWS Cloud Practitioner

Amazon Web Services

Java Foundations

Oracle

Python Programming Fundamentals

Data Science Academy (DSA)

Python for Analytics Advanced

CADS – Data Science Academy

Python for Analytics Basics

CADS – Data Science Academy

Network Foundations

HTP

SKILLS

Programming Languages

Java, Python, C++, SQL, R Language, HTML, CSS

Backend

Spring Boot, REST APIs, JWT, Spring Security, API Gateway, RBAC

Database

MySQL, ERD Design, Normalization, Data Validation, Structured Record Management

Cloud & Deployment

AWS (Cloud Practitioner), Three-tier Architecture, API Gateway Concepts, Workflow Automation

Cybersecurity

Network Security, Cyber Threat Analysis, Input Validation, Access Control, PDPA Compliance, AES-256-GCM Encryption, Secure Coding

Documentation

Technical Report Writing, Requirements Analysis, SRS, SDLC, Project Documentation

Tools

Git, Postman, IntelliJ IDEA, MySQL Workbench, Cisco Packet Tracer

ACHIEVEMENTS & ACTIVITIES

- Dean's List — Taylor's University: 2024, 2025, 2026.
- Coding Challenge Pre-Competition Workshop on Python Programming Fundamentals (2024).
- Developed SRS documentation adopted by the team to reduce development errors.
- Applied secure Java coding practices across capstone project (input validation, exception handling, access-control).