DAMIAN NG WYE ZHEN

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PROFILE

Aspiring Software Developer with a strong foundation in backend development, microservices, and API design. Proficient in Python, SQL, MongoDB, and CI/CD pipelines, with hands-on experience in data visualization and cloud-based solutions. Passionate about building scalable and efficient applications, integrating automation into development workflows, and collaborating with cross-functional teams to drive innovation. Certified Cloud Practitioner by AWS and Cloud Computing Fundamental by IBM.

EXPERIENCE

January – May 2024

IT Internship ● Technology University of the Shannon (TUS)

Worked on multiple client-facing projects during this internship in the Computer Services Department. Developed microservices-based applications using Java & Spring Boot. Designed and implemented a server-side web & mobile application for a meat supplier, integrating Dockerized services and MySQL database for efficient shipment tracking.

March 2022 – Jan 2025

Food & Beverage Team Leader ● Sheraton Athlone Hotel

Led and coordinate a team of up to 20 staff across banquets and restaurant settings, ensuring smooth service for events hosting up to 400 guests and enhancing overall guest satisfaction. Provide attentive guest service by overseeing room preparations, managing table turnover, and supporting cross-department needs, contributing to a welcoming and efficient dining experience. Deliver training and support to team members, improving service standards and fostering a cohesive team environment.

March 2022 – Jan 2025

Day Porter ● Sheraton Athlone Hotel

Delivered exceptional guest services, providing room assistance, and preparing meeting spaces for events, ensuring all equipment was ready and supporting cross-department needs to maintain hotel standards.

PROJECTS

Deploy RESTful Web Application

Designed and deployed a RESTful Web Application using PHP, CSS, and JavaScript, optimizing backend HTTP handling for quick response times. Built the app with scalability in mind, simulating real-world user loads to test responsiveness and achieve academic project goals.

Using Docker to deploy a website

EDUCATION

September 2021 – June 2025

Bachelor of Science (Hons) in Software Design with Artificial Intelligence for Cloud Computing

Technology University of the Shannon (TUS), Athlone, Ireland

This honors degree in software design is offered in response to the demand for highly skilled graduates with training in software programming fundamentals. Achieved a GPA of 78.58 for year 1, 75.08 for year 2 and 79.83 for year 3.

January 2020 – December 2020

Foundation in Science

Nilai University, Nilai, Malaysia

This certificate provides advanced knowledge and skills in science related subjects, business and information technology. Achieved Distinction.

TECHNICAL SKILLS

- PROGRAMMING LANGUAGES:
  - PYTHON
  - JAVA
- WEB DEVELOPMENT:
  - KNOWLEDGE OF HTML, CSS, JAVASCRIPT AND REACT.JS
  - UNDERSTANDING OF

Containerized a website using Docker, ensuring cross-platform compatibility and simplified deployment. Configured environment containers for web servers and databases, allowing for seamless scaling and consistent development, which streamlined testing and reduced setup time.

Server-Side Web and Mobile Application for Meat Suppliers

Built a server-side web and mobile app for shipment tracking and competitor monitoring using Php, Java, jQuery and Docker. Integrated MySQL for data management, focusing on data integrity and platform consistency, simulating business use cases that received top project marks.

Deploy NewsAgent App with DevOps practices

Created a Java-based NewsAgent app delivering real-time news updates, using DevOps practices to streamline development. Integrated unit testing to ensure 85% code coverage, enhance quality and reliability. Achieved high academic evaluation by applying industry-standard version control and collaboration practices.

LANGUAGE, INTEREST & ACHIEVEMENT

Fluent in **English, Cantonese, Mandarin and Malay**
Beginner in **Japanese and Spanish**

- Participated and have completed numerous half-marathons
- Participated in hackathons and app challenges e.g. 12th NASA Space App Challenge
- Enjoy travelling and experiencing new culture

Awarded Academic Excellence Certificate from Technology University of Shannon (TUS) – Consistent grades above 70%

CERTIFICATIONS

IBM Cloud Computing Fundamentals – IBM (Issued: 03/2025)

Best Practice for Building Container Images – IBM (Issued: 03/2025)

Certified AWS Cloud Practitioner – AWS (Issued: 20/04/2025)

REST APPLICATIONS
- o EXPERIENCE WITH XML FOR DATA EXCHANGE

- CLOUD AND DEVOPS:
  - o PROFICIENT IN DOCKER
  - o UNDERSTANDING OF CLOUD COMPUTING FUNDAMENTALS
  - o KNOWLEDGE OF DEVOPS BEST PRACTICES, ARCHITECTURES, AND METHODS

- DATABASES:
  - o SQL
  - o MONGODB

- SOFTWARE ENGINEERING:
  - o PROFICIENT IN SOFTWARE DEVELOPMENT LIFE CYCLE (SDLC) METHODOLOGIES
  - o AGILE METHODOLOGIES
  - o FAMILIAR WITH VERSION CONTROL (GIT)

- NETWORKING:
  - o UNDERSTANDING OF NETWORKING CONCEPTS

- ALGORITHMS AND DATA STRUCTURES

- DATA MINING AND MACHINE LEARNING

- DISTRIBUTED SYSTEM & MICROSERVICES
  - o UNDERSTANDING OF MICROSERVICES
  - o KNOWLEDGE OF DISTRIBUTED SYSTEM DESIGN PRINCIPLES