

Lin AoFan

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I am a dedicated Information Technology student with a strong academic background in areas such as software development, database management, and cybersecurity. My coursework has equipped me with problem-solving skills and a solid foundation in IT. I am passionate about leveraging technology to address real-world challenges and excited about contributing to the ever-evolving field of Information Technology.



Education

Gan Eng Seng School

- 7 Singapore-Cambridge GCE O-Level Passes
- National Youth Achievement Award - Silver Medal
- Young Engineer Award (STEM INC)
- Certification of Distinction in SYF Arts Presentation for Band (Concert)

Singapore Polytechnic

- Diploma in Information Technology
- Expected Graduation: April 2025



Skills

Leadership

- GESS Marching Band Sergeant (First Sergeant)

Teamwork

Analytical thinking

Critical thinking

Task Prioritization

Mathematics

Programming

- Java
- JavaScript

Object-oriented programming

Web development

Software Development



Work History

Part-Time Tea Barista (KOI Thé)

- Maintained and operated induction cooker, juicer, tea barrel, teapots, and other equipment.
- Memorised steps for the brewing of teas and the cooking of toppings.
- Pleasantly interacted with customers during hectic periods to promote a positive environment.
- Demonstrated strong communication and teamwork skills by collaborating with colleagues during busy shifts.
- Ensured cleanliness and hygiene standards in the preparation area and equipment to meet health and safety regulations.

2018-01 - 2021-09

2022-04 - Current

2023-04 - Current



Projects

Software Engineering Practice

- Collaborated as a team member in a Scrum project, contributing to user requirement gathering, documentation, and following Scrum framework to enhance the IslandFurniture customer web portal's functionalities.

Enterprise Systems Development

- Enhanced web application security by identifying and mitigating vulnerabilities in areas such as cross-site scripting, SQL injection, broken authentication, broken access control, and sensitive data exposure. Successfully deployed the application on an AWS EC2 instance, established an RDS database, configured and populated a DynamoDB table, and created a Lambda function to power a specific endpoint, integrating it with an API Gateway for improved scalability and performance.

AWS Academy WordPress Deployment

- Provisioned AWS Academy Ubuntu 16.04 VM for WordPress hosting.
- Configured, secured, and managed Apache, PHP, MySQL, and WordPress for a reliable and secure website deployment.

Front-end Web Development

- Developed a responsive personal portfolio website using HTML, CSS, JavaScript, and Bootstrap, showcasing technical skills, achievements, and educational journey while demonstrating proficiency in web development and design principles.

Back-end Web Development

- Developed a web application using HTML, Bootstrap, JavaScript, Axios, and Node.js with a MySQL database backend to search and display DVD film information.

J2EE Application Development

- Developed a comprehensive web application using Java, JSP, and MySQL with MVC architecture, enabling user registration, login, password change, book purchase, and viewing purchase history, while providing administrators with functionalities to manage books and users.
- Created an API endpoint for resellers to access book information, send requests, and manage book quantities.

JavaScript Programming

- Designed and implemented a Membership Loyalty Program in JavaScript using Visual Studio Code, enabling members to earn and track points based on their purchases.
- Developed a user-friendly command-line interface with features such as member registration, password validation, points calculation, and dynamic membership upgrades.

Java Programming

- Designed and implemented a Comic Rental System using Java and NetBeans, featuring efficient book and user information retrieval from text files, intuitive user interfaces with JForm and JOptionPane, search functionality by ISBN, comprehensive book listings, and user rental tracking