

AIMAN DANIEL

SOFTWARE ENGINEER

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Professional Profile

Dedicated software developer with a knack for building efficient, user-friendly web solutions that align with industry standards. Passionate about embracing new tools, working closely with teams, and delivering successful projects. Passionate about staying updated with emerging technologies, fostering collaborative teamwork, and driving project success.

Career Summary

Software Engineer @ Bayam (M) Sdn. Bhd. (Cyberjaya)

April 2022 – Present

- Designed and implemented an automated exam/class timetable system leveraging constraint programming techniques, enabling rapid generation of conflict-free schedules and reducing the complete process (planning, data input, and solving) from 2 weeks to 1 minute.
- Developed a SaaS-based college management system using Laravel and MySQL, optimizing operations across 6 higher-level education institutions serving 18K+ students.
- Developed a student attendance system with analytics, and integration with college management systems, ensuring accurate record-keeping and streamlined reporting.
- Built a multi-level agent system with PHP, Laravel, Livewire, and MySQL, integrating various payment and courier APIs to simplify transactions and logistics.
- Developed an integrated security management system (ISMS) in Node.js and React.

Web Developer @ OnPay Solutions Sdn. Bhd. (Kuala Lumpur, Remote)

June 2020 – April 2022

- Built a recurring subscription system that follows the multi-tenant architecture using Laravel, MySQL and Vue.js.
- Performed static code analysis using PHPStan to detect possible bugs.
- Implemented unit and integration testing using PHPUnit and Cypress respectively.
- Wrote modular and testable code that follows programming best practices.
- Performed software requirements elicitation from stakeholders.

Web Developer @ OS Startup Sdn. Bhd. (Kuala Lumpur, Remote)

May 2020 – June 2020

- Built a rental management system in PHP and MySQL with multiple payment gateway integration.

Education

Bachelor of Computer Science (Software Engineering), Universiti Malaya

Oct 2020 – Did Not Finish

- Courses: Object-Oriented Programming, Computer Networking, Data Structures And Algorithms, Software Testing And Maintenance, Relational Database, Operating System, Web Development, Software Architecture, Concurrent Programming.
- CGPA: 3.55

Foundation in Physical Science, Universiti Malaya

2019 – 2020

- Courses: Physics, Mathematics, Advanced Mathematics, Chemistry, and Programming.
- MUET: Band 5
- CGPA: 4.00

Core Skills

Programming Languages	PHP, JavaScript/TypeScript, Java, Go, Shell Scripting, Python
Web Frameworks & Libraries	Laravel, React, Spring Boot, Quarkus, Gin, Bootstrap, Tailwind
DevOps, Cloud & Infrastructure	Docker, Terraform, Ansible, Amazon Web Services (AWS), Linux (Ubuntu/Debian/RHEL), Git, WireGuard
Databases	MySQL, MariaDB, DuckDB
Testing	JUnit, Mockito, PHPUnit, Jest, Cypress, Gatling

Achievements

- Wargames.MY Capture the Flag 2020 (Team: T4P4W. 3rd place, student category)

Hobbies & Interests

- Blog Writing (<https://aimandaniel.com>)
- Open Source
- Capture The Flag (CTF)
- Information Security
- Homelabbing