

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.

Core Skills

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|------------------------|---------------------|---------------------|
| ▪ PHP | ▪ Go | ▪ Docker |
| ▪ MySQL | ▪ Laravel Framework | ▪ Design Patterns |
| ▪ JavaScript | ▪ Node.js | ▪ Tailwind CSS |
| ▪ React | ▪ Git | ▪ Bootstrap |
| ▪ Linux Administration | ▪ Shell Scripting | ▪ Timefold Solver |
| ▪ Java | ▪ Spring Boot | ▪ Quarkus Framework |

Career Summary

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

April 2022 – Present

- Developed an optimized exam and class timetable generator using Timefold AI's constraint solver, enhancing scheduling efficiency.
- Developed a SaaS-based college management system using Laravel and MySQL to streamline administrative tasks and support multiple institutions.
- 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. (Setapak)

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)

May 2020 – June 2020

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

Web Developer @ GeekByte Enterprise (Shah Alam)

June 2016 – February 2018

- Built an online e-commerce system for virtual private network (VPN) software subscription using Laravel and MySQL.
- Resolved customer issues through email and online ticketing system.

Education

Bachelor of Computer Science (Software Engineering), Universiti Malaya

Oct 2020 – Present

- 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

Achievements

- Wargames.MY CTF 2020 (3rd place)

Hobbies & Interests

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