

# SULTAN ABDULLAH SALEM BAHASAN

## FULL-STACK SOFTWARE ENGINEER

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### SUMMARY

Software Engineering graduate specializing in full-stack web applications, real-time data systems, and interactive visualization interfaces. Experienced in building production-ready platforms using Laravel, MySQL, JavaScript, and modern frontend frameworks, including dashboards, APIs, and geospatial 3D systems. Strong focus on performance, clean architecture, and scalable system design.

### PROJECTS

#### Real-Time Patient Dashboard — Next.js, TypeScript, Supabase

- Built real-time monitoring interface streaming live data with instant UI updates.
- Designed modular architecture supporting validation, state management, and scalable components.

#### 3D Satellite Animation & Virtual Tour System — CesiumJS, PHP, MySQL

- Engineered an interactive 3D visualization platform with cinematic camera transitions and dynamic animation controls
- Designed APIs to stream real-time JSON data and synchronize 3D scenes with virtual tour navigation
- Structured modular frontend architecture for maintainability and performance optimization

#### Public Reporting System — PHP, MySQL, Leaflet.js

- Developed location-based reporting platform with interactive mapping and dynamic filtering.
- Implemented secure data workflows and optimized queries for efficient large-dataset handling.

### PROFESSIONAL EXPERIENCE

#### Software Developer Intern - Mimar.Tech

28 July 2025 - 24 October 2025

- Developed full-stack activity management system using Laravel MVC architecture and MySQL database.
- Implemented secure CRUD operations with structured validation and data integrity controls.
- Designed role-based access control (RBAC) authentication and authorization logic.
- Built responsive admin dashboard with dynamic tables, filtering, and real-time UI feedback.
- Optimized database queries and backend logic for efficient data handling.

### EDUCATION

#### Bachelor of Computer Science (Software Engineering)

Aug 2022 - Oct 2025

Multimedia University, Malaysia CGPA: 3.23/4.00

### TECHNICAL SKILLS

Languages & Frameworks: PHP, JavaScript, TypeScript, Laravel, CesiumJS, Leaflet.js, Vue.js, HTML, CSS, Bootstrap, Tailwind

Databases & Backend: MySQL, phpmyadmin, Supabase

Tools & Systems: APIs, Dashboards, Real-Time Systems, role-based, Git, Github

### LANGUAGES

- Arabic (Native)
- English (Professional)