# Nur Syahiera Binti Jul Addy

**Software Developer · Laravel / Full-Stack · Systems Developer**

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## PROFILE

Software developer who builds the systems organisations run on every day. At a Sabah state government agency, designed, built and deployed **two production systems alone within six months of joining**: a receipt and collections platform used by 11 finance staff across 3 branches, and a fleet system handling 60+ bookings a month. Works end to end, from requirements to deployment and support. Strongest in Laravel, PHP and MySQL/MariaDB, backed by a mathematics research degree and hands-on business ownership.

## HIGHLIGHTS

- **3 systems in daily production use**, each built alone: two at a state agency, one running a 60+ student tuition centre.
- Receipt platform issues **300–400 official receipts a month**, two to three times more at the Ramadan and Hari Raya peak.
- Agency systems **passed penetration testing by the state IT department**. Trained staff and wrote the user guides.

## CORE COMPETENCIES

Application Development · System Development · Backend Development · Database Design · System Analysis · Business Process Automation · Role-Based Access Control · Testing and UAT · Software Deployment · Maintenance and Support

## PROFESSIONAL EXPERIENCE

### Penolong Pegawai Teknologi Maklumat (Assistant IT Officer)

May 2026 – Present

**Perbadanan Baitulmal Negeri Sabah** · State government agency · Kota Kinabalu · Contract

- Engineered and deployed a **Laravel 12 receipt and collections platform** for the Finance Division, used daily by **11 staff across 3 branches** since October 2026. It replaced manual records, Excel and receipt work in the UBS accounting package.
- Automated **double-entry postings** for every receipt through a revenue-mapping layer linked to about **616 chart-of-account records**. Built UBS-format exports so UBS stays the ledger of record.
- Built the **e-Armada fleet system from scratch and took it live within two months of joining**. It covers booking with CEO approval, four user roles, trip logs, fuel records and a status dashboard, and handles **60+ bookings a month** across the agency's 4 vehicles.
- Prepared UAT scenarios and test accounts for every user role. The systems **passed penetration testing** by the state IT department.
- Analysed the Finance Division's seven-process procedure manual as the requirements baseline for a wider finance system. Developing the **PBNS Asset Management System** to state asset rules (TPA Bil. 3/2022).
- Trained agency staff on the live systems and wrote user guides in Bahasa Melayu. Support PCs, printers, Wi-Fi, email and the server for all staff.

### Founder and Developer

2026 – Present

**Adyra.tech** · Registered digital systems and web development studio · Sabah

- Run the studio end to end, covering development, sales, delivery and support. **Paid client work delivered.**
- Built the studio's **Business Management System** (Laravel 12, MariaDB) for leads, pipeline, quotations, projects and payments, and a public bilingual intake form on a second domain that turns each enquiry into a de-duplicated lead.

- Built the bilingual studio website (Next.js, TypeScript) and deploy everything from GitHub to a VPS with **Docker and Dokploy**.

### Founder
2023 – Present

**Sunshine Tutoring House** · Tuition centre, Tahun 1 to Tingkatan 5 · Sabah

- Founded and run a tuition centre with a team of tutors, teaching **60+ students** from primary to upper secondary.
- Replaced Google Forms and WhatsApp admin with a **self-built Laravel 12 system**: schedules, fees, three user roles and a daily 8 AM reminder job.

### Frontend and Backend Developer (Intern)
Mar 2025 – Sep 2025

**Khaleefnet Sdn Bhd** · Industrial training · Four-person development team

- Developed frontend and backend features for a **Meeting AI Assistant** application as part of a four-person team.
- Worked on a **face-recognition class attendance system** for a government-sector client, integrated with a university's existing system. Used Laravel, PHP, MySQL, JavaScript and Git in a shared codebase.

## SELECTED PROJECTS

### Receipt and Collections Management System
**Live · daily use since Oct 2026**

Laravel 12 · PHP · MySQL · Blade · Alpine.js · Tailwind CSS · Chart.js

Payment category → revenue mapping → chart of accounts, so the system resolves the credit account and officers never type it. Receipts are blocked when a mapping is missing. Feature tests cover ledger balance, the mapping guard and role access. Also: receipt numbering, LHDN tax notes and a locked audit trail.

### e-Armada Fleet Management System
**Live · daily use since Jun 2026**

Laravel 12 · PHP · MySQL · Tailwind CSS

Approval workflow, four roles, status dashboard, trip logs and fuel records. Trip photos are compressed in the browser before upload to keep server storage low.

## TECHNICAL SKILLS

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|---|---|
| **Backend** | PHP 8.2+, Laravel 12, Eloquent, validation, service classes, scheduled jobs, RBAC |
| **Database** | MySQL, MariaDB, SQL, schema design, double-entry ledger modelling, data migration |
| **Frontend** | HTML, CSS, Tailwind CSS, Blade · working: JavaScript, TypeScript, React, Next.js |
| **Deployment** | Git, GitHub, Docker, Dokploy, Linux VPS, shared hosting (FileZilla, phpMyAdmin) |
| **Tools** | PHPUnit, Postman, Composer, npm, Vite, VS Code, Maple 18, MATLAB |

## EDUCATION AND RESEARCH

### Master of Science (Mathematics), by research
Feb 2026 – 2027 (expected)

**Universiti Malaysia Sabah** · Faculty of Science and Technology · UMS research grant GKP3104

- Thesis on the Multistep Differential Transform Method (MsDTM) for second-grade fluid flow and heat transfer. Built the solution algorithm in Maple 18 and **validated it against a known exact solution to an error of about $6.5 \times 10^{-13}$**. Found and corrected a value reported in earlier published work.
- First author of two manuscripts, on MsDTM convergence and accuracy (under review) and on second-grade fluid flow and heat transfer (resubmitted). Presented at **ISMI2026**, Johor Bahru, September 2026.

### Bachelor of Science with Honours (Mathematics with Computer Graphics)
Graduated Oct 2025

**Universiti Malaysia Sabah** · Final-year project: multi-step reduced DTM for the linear telegraph equation

## CERTIFICATIONS AND LANGUAGES

**Cybersecurity** · IBM, via Coursera View certificate

**Languages:** Bahasa Melayu (fluent) · English (fluent) · Chinese (working proficiency)