LIM SONG HAW

Software Developer | C# / .NET / ASP.NET Core

Johor Bahru, Malaysia | +60 18-873 4281 | songhao0258@gmail.com | https://github.com/Limsonghaw
Malaysian, requires S Pass; willing to relocate to Singapore | Available to start within 1–2 weeks

SUMMARY

Software developer with 1.5+ years of professional experience building C# and ASP.NET Core back-end services. Delivered 10+ third-party API integrations, typically in about two weeks each, most of which went live in production. Hands-on with REST APIs, transaction workflows (idempotency, Redis locking), MongoDB, production debugging and data reconciliation. Also specified and acceptance-tested an AI-assisted (Codex and Grok) full-stack app for a family business.

TECHNICAL SKILLS

- **Backend:** C#, ASP.NET Core, .NET 9, REST APIs, third-party API integration, HttpClient, JSON, DTOs, Dependency Injection, request signing (existing in-house utilities)
- **Databases & Caching:** MongoDB, Redis (locking)
- **Tools & Delivery:** Git, GitLab, GitHub, GitLab CI/CD, Postman, Visual Studio, Serilog, Google Cloud Logs Explorer
- **AI-Assisted Development:** OpenAI Codex (requirements, prompting, acceptance testing)
- **Web & Other:** HTML, CSS, JavaScript, Laravel (PHP), Figma

PROFESSIONAL EXPERIENCE

PAMS DATA SOLUTIONS (M) SDN BHD *Dec 2024 - Jul 2026*
Web Programmer | C# / ASP.NET Core Backend

- Independently delivered 10+ third-party platform provider integrations in C# and ASP.NET Core (.NET 9 on new projects, .NET Core 3.0 on existing systems), owning each from API documentation through implementation, staging validation, and QA, typically in about two weeks each; most went live in production.
- Built REST API integrations for Debit, Void, Rollback, Settlement and Refund transaction workflows: request/response models, callback endpoints, outbound HttpClient calls, provider-specific request signing using existing in-house cryptographic utilities, and handling of out-of-order requests.
- Diagnosed a failed provider test (wrong balance) in Google Cloud Logs Explorer: the same transaction had been deducted twice because transaction IDs were not checked for duplicates; added an idempotency check on transaction ID scoped by round ID, so duplicates return success with the current balance (per provider API spec) without a second deduction.
- Fixed a race condition in which concurrent duplicate requests (provider retries after timeouts) could both pass that check before the first was written to the database, by extending the existing Redis locking; both fixes passed provider verification tests.
- Debugged integrations in staging and production using Serilog logs and MongoDB/Redis transaction records to diagnose duplicate processing and data discrepancies, and carried out data reconciliation.
- Deployed changes, including occasional front-end fixes, to staging via existing GitLab CI/CD pipelines; coordinated staging validation, QA handoff and release checks. Exposure to Kafka-based messaging.

BUSINESS BOOSTERS *May 2023 - Aug 2023*
Frontend & Backend Developer Intern

- Developed responsive web interfaces with HTML, CSS, and JavaScript (UI/UX prototyping in Figma) and implemented Laravel-based backend functionality and CRUD operations for web application modules.

PROJECT EXPERIENCE

SHENG HENG AIRCON - SERVICE MANAGEMENT SYSTEM *Sep 2026 - Oct 2026*
AI-assisted project (built for a family business; portfolio MVP under refinement)
Stack: ASP.NET Core on .NET 10, EF Core, React, TypeScript, Vite, Supabase / PostgreSQL & Storage (AI-assisted)

- Specified the features and requirements of a service management web application and directed OpenAI Codex, which generated the code. Scope: customer records, job scheduling, team assignments, quotations, invoices, expenses, employee claims, audit logs, and PDF generation.
- Acceptance-tested each feature; read and debugged the AI-generated code and directed fixes until it met requirements. Public preview uses fictional data; the application remains an MVP under refinement.

RESTAURANT ORDERING PLATFORM *Nov 2026 - Present*
AI-assisted QR ordering prototype | Private repository
Stack: Next.js (React), TypeScript, Tailwind CSS, Supabase scaffolding, GitHub Actions (AI-assisted)

- Specified features for a multi-store restaurant ordering prototype (QR-table entry, customer ordering flows and store menu-management screens) and directed AI-generated implementation with OpenAI Codex; read and debugged the code and carried out acceptance testing.
- CI runs lint, type checks, tests and builds. Current demo uses mock data; production database integration and deployment are not yet complete.

EDUCATION & LANGUAGES

HELP University *May 2024*
Bachelor of Information Technology (Hons) Data Analytics
Chinese - Native | English - Conversational | Malay - Basic