IRFAN FIKHRI BIN ISZAHAR

SOFTWARE ENGINEER | C# / .NET · BANKING AND RETAIL SYSTEMS

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PROFILE

C# / .NET engineer with nearly 4 years across **banking systems** and **retail systems**. Delivered loan origination and credit systems into Bank Islam as an external delivery partner, integrating with Core Banking, CCRIS, CTOS and Silverlake and handling high-priority production incidents during go-live. At Machines, built core API modules handling about **2,300 transactions a day**, a subscription platform with recurring billing, the **MyInvois e-invoicing** integration with Microsoft Business Central, and a Flutter POS running in **230 outlets**.

CORE SKILLS

.NET	C#, .NET 6 to 10, ASP.NET Core, Web API, MVC with Razor, Entity Framework, Minimal APIs, Blazor, .NET Aspire
Integration	Core Banking (socket / SOAP / REST), CCRIS, CTOS, Silverlake, STMB, ASCCEND, Microsoft Business Central, MyInvois (LHDN), iPay88 (NTT Data), Salesforce, Keycloak / OIDC, WebSocket
Data	Oracle, PL/SQL, Oracle Data Pump and Database Links, MySQL, MariaDB, PostgreSQL
Delivery	Deployment across Dev / SIT / UAT / Production, GitLab CI/CD, GitHub Actions, Docker, Linux, cron jobs, production incident response
Testing	xUnit, Testcontainers, Playwright, SpecFlow (BDD), TDD
Architecture	Microservices, Domain-Driven Design, Clean Architecture
Also	Flutter / Dart, Java (certified), PHP, JavaScript, jQuery, Go, TypeScript / React

PROFESSIONAL EXPERIENCE

Senior Analyst Developer — **Machines Sdn Bhd** **Jan 2024 — Present**

Enterprise web applications (MVC / Web API) · ERP · Payments and e-invoicing · Cross-platform POS

- Built the core Machines API in **C# / .NET 6 with Entity Framework**, the central backend for sales, retail operations and customer data, handling about **2,300 transactions a day** with configurable business rules and role-based access. Designed and owned its **promotions and vouchers**, **Care One subscriptions and billing**, **Business Central / MyInvois** and **warranty, Apple DEP and serial-allocation** modules.
- Delivered the **MyInvois (LHDN) e-invoicing integration with Microsoft Business Central** end to end: field mapping, submission, validation, rejection handling and reconciliation, bringing the business into compliance with the national mandate.
- Built the **Machines Care One** subscription platform, a customer-facing ASP.NET MVC application with Razor views covering subscription lifecycle, billing cycles, entitlement limits and renewals, with **iPay88 (NTT Data)** recurring billing.
- Designed and built the cross-platform **POS and POS Admin in Flutter**, owning the architectural decisions, deployed across **230 outlets** nationwide.
- Developed the internal operations application used across departments: promotion setup, POS entries, memberships, trade-ins, pre-orders, reporting and **Citibank GDFF payment files** for batch disbursements.
- Contributed to the **Order Management System** (ASP.NET MVC and Web API) across the order lifecycle.

Software Engineer — **Juris Technologies (JurisTech)** **Nov 2022 — Jan 2024**

Specialist Software Engineer (Jul 2023 – Jan 2024), promoted from Junior Software Engineer after 8 months · Client delivery for Bank Islam: Loan Origination (JOM) and Loan Creditation System (JCREDIT)

- Resolved **high-priority production incidents during go-live** for a tier-1 Malaysian bank, delivering critical fixes and writing incident reports.
- Integrated the lending platform with the bank's **Core Banking System** over socket connections, SOAP and REST, and built and owned integrations with **CCRIS, CTOS, Silverlake, STMB and ASCCEND**.
- Automated time-sensitive banking operations with **scheduled batch jobs** (Linux cron and background tasks), removing manual processing from daily banking cycles.
- Managed **deployment across Development, SIT, UAT and Production** with the Juris Deploy Framework and Oracle Data Pump, and kept instances consistent with Oracle Database Links.
- Ran **requirements workshops** with client business analysts and end users, wrote Interface Flow Architecture documents, and set up SIT environments for client acceptance testing.

PERSONAL PROJECTS

Lantern Auth — staff sign-in for a retail chain on Keycloak · github.com/Fikhri02/Lantern-Auth

.NET 10 · Blazor · Keycloak 26 · Java 21 plugin · Docker Compose · Playwright

- Three Blazor apps on one identity provider, including a shared till where cashiers identify with a PIN; **283 automated tests** against a real Keycloak (259 integration, 16 browser, 8 unit) and 9 decision records.

IncidentFlow — event-driven incident detection and correlation · github.com/Fikhri02/incident-flow

.NET 8 · .NET Aspire · RabbitMQ · Redis · PostgreSQL · YARP · OpenTelemetry

- Seven .NET services that turn repeated production errors into incidents, then correlate, notify and record them.

CareGuard — scam-protection chat agent for elderly Malaysians, with a family dashboard · github.com/Fikhri02/careguard

TypeScript · built at AI Tinkerers Kuala Lumpur, Sep 2026

- Team hackathon build that I led and mostly wrote.

WikiPetia — study platform with mastery-based progress · github.com/Fikhri02/Wikipetia

Go 1.25 · Huma · PostgreSQL · React PWA with an OpenAPI-generated client

Order Management (DDD) — clean-architecture reference build · github.com/Fikhri02/order-management-ddd

.NET 9 · MediatR (CQRS) · EF Core · xUnit and SpecFlow (BDD) suites · Docker Compose

EDUCATION & CERTIFICATIONS

BEng Mechatronics Engineering — International Islamic University Malaysia 2018 — 2022

Java Certified Foundations Associate — Yayasan Peneraju · **CCSD Java Developer** (89%) Nov 2024

Bahasa Malaysia — native · English — professional working proficiency