

Muhamad Syafiq Bin Mohd Affandi

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PROFESSIONAL SUMMARY

Full-stack software engineer with 2.5+ years building payment infrastructure at Fiuu (Razer Merchant Services). Shipped 104 merged MRs across 10 codebases — owning systems end-to-end from MySQL schema to TypeScript UI. Reduced merchant-portal bundle by 90%, bootstrapped a Nuxt 4 rewrite, and built the promotional campaign system integrated into live credit-card checkout.

EXPERIENCE

Full-Stack Software Engineer — Fiuu (Razer Merchant Services), Shah Alam, MY Sep 2024 – Present

- **Established frontend standards** and served as technical reference point for component API design, state patterns, and code quality across the engineering team.
- **Bootstrapped Nuxt 4 + TypeScript rewrite** of the legacy PHP/Vue merchant portal — set up the new repository with atomic component architecture and Tailwind CSS, shipping Login, Settings, and Transaction pages as the first wave.
- **Reduced merchant-portal bundle from 40 MB to 4 MB (90%)** through code-splitting and dependency pruning, materially improving page-load performance.
- **Owned the promotional campaign system end-to-end:** designed the MySQL schema, built the promo API controller in Laravel, implemented BIN-promo logic, and integrated it into the credit-card payment form.
- **Consolidated fragmented payment flows** (credit card, installment, BNPL, e-wallet, online banking, DuitNow QR) into a unified REST API routing layer, eliminating duplicated channel handlers.
- **Led Apple Pay and Apple Tap-to-Pay rollout** across the merchant portal: Profile Settings action button, CSP policy, VT-Activation integration, and self-service onboarding for master merchants.
- **Hardened VCC payment forms** with BIN validation, card-level checks, iframe rendering, and receipt generation; resolved critical Click-to-Pay production failures impacting Mastercard checkout.
- **Refactored 7 legacy modules** (Onboarding Link, V Code, VT Activation, Sales Invoice, Profile Settings, Channel Activation, Consent Link) and deployed the E-Form onboarding portal on AWS across MY and SG — also integrated WhatsApp Business API, SFTP with PGP encryption, and restored Xero accounting sync.

Application Developer — Singularity Aerotech Asia Sdn Bhd, Damansara Perdana, MY Sep 2023 – Aug 2024

- **Reverse-engineered CNC G-code/M-code** to extract machine parameters, enabling real-time analytics dashboards for manufacturing clients.
- **Automated telemetry collection from remote CNC machines** using MQTT and Node-RED on Raspberry Pi edge servers, transmitting JSON payloads over Telnet/SSH to the backend.
- **Integrated Redis caching into the hot read-path**, reducing query latency to 40 ms.
- **Designed and developed client-facing web features**, owning delivery from Figma wireframes through Vue implementation.

EDUCATION

B.Sc. Software Engineering (Hons) — UKM — National University of Malaysia, Bangi, MY Jun 2022 – Aug 2024

Major: Software Engineering • Minor: Multimedia • CGPA 3.85 / 4.00

TECHNICAL SKILLS

- **Languages & Frontend:** TypeScript, PHP, SQL, Java, C#, Nuxt 4, Vue 3 (Composition API), React, Next.js, Tailwind CSS
- **Backend & Infrastructure:** Node.js, Laravel, REST APIs, MySQL, PostgreSQL, Redis, CouchDB, BigQuery, AWS (S3, EC2), Docker, MQTT, Node-RED
- **Practices:** Git, GitLab, CI/CD, code review, Agile, performance optimisation, design systems, PGP, SFTP
- **Payments:** credit card, BNPL, e-wallet, FPX, DuitNow QR, Apple Pay, Google Pay, Tap-to-Pay, Click-to-Pay, merchant onboarding, virtual terminal