

POKLIN TEY

Solutions Architect — Data, AI & Automation

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PROFILE

Hands-on solution architect with 14 years in software delivery: 6 years running client projects and an in-house development team at Framemotion, then 8 years as the lead engineer extending an enterprise content-management platform deployed on-premise and on Azure for clients across Malaysia, Singapore, Thailand and Indonesia, including banks and insurers (names under NDA). Led its AI retrofit end to end: an in-process AI engine (one interface over six LLM providers, cloud or self-hosted, with per-call cost tracking), and Capture Studio, a template-based OCR product with confidence-based routing that replaced third-party capture licences. Comfortable owning a technical function alone and reporting directly to a CEO.

CORE SKILLS

AI / LLM engineering	Anthropic Claude API, OpenAI / Azure OpenAI, Gemini, Ollama, LM Studio (text and vision); provider-agnostic LLM client in VB.NET, output verification against source, per-call cost telemetry and token budgets; Semantic Kernel and RAG at reading level
Automation & integration	n8n, REST APIs, Microsoft Entra ID / OAuth 2.0, Adobe Sign
Document pipelines	Template OCR with anchor matching, IDP (built Capture Studio to replace ABBYY and Kodak), confidence thresholds and routing, human-in-the-loop review
Data & SQL	SQL Server (110-table schema, 350+ stored procedures), data modelling; Parquet, medallion (Bronze-Silver-Gold) and incremental-load patterns on DuckDB (lab scale); dbt and Delta Lake at reading level
Cloud architecture	Azure IaaS design (VMs, SQL Managed Instance, Azure Files, Application Gateway/WAF, Bastion, Entra ID SSO); three-environment separation; Docker / self-hosted infrastructure
BI	DOMO (authorised reseller for 1+ year: datasets, dataflows, Beast Mode, alerts), Apache Superset (embedded in the platform), Seal Report; star-schema and semantic-model design
Languages	VB.NET / C# (.NET Framework), Java, Python, PHP (Laravel), SQL, Flutter/Dart
Working style	Solo technical owner, direct-to-CEO reporting, async-first, written architecture decision records; English, Mandarin, Malay

EXPERIENCE

Dynamic Worklabs Sdn Bhd (subsidiary of Software Dynamics Sdn Bhd) · Selangor June 2018 – present
Solutions Architect (AI)

Joined when the company's on-premise and Azure-hosted enterprise content-management platform was already in production; spent 8 years extending the legacy .NET codebase with new modules and integrations, and since 2025 lead its AI retrofit and a standalone capture product. Handled deployment, go-live, upgrades and integrations for clients including an Islamic bank and a listed pharmaceutical group. De-facto technical owner across a 3-person engineering team.

- Led the platform's AI retrofit: designed and built its AI engine, a VB.NET library loaded in-process by the portal and the capture service, exposing summarise, metadata extraction (text and vision), single-document Q&A and tag suggestion through one interface over six providers (Claude, Gemini, OpenAI, Azure OpenAI, Ollama, LM Studio). Results are suggestions a user confirms; Phase 01 built, client rollout pending.
- Built AI cost and quality controls: per-call telemetry (provider, model, tokens, latency, retries, estimated USD cost; metadata only, never document text), per-feature monthly token budgets with an 80% admin alert, and a verifier that re-finds every extracted field (dates, amounts $\pm 0.5\%$, IDs) in the source and flags any it cannot.
- Built Capture Studio, a standalone product: template OCR with anchor matching, confidence thresholds per field, per template and per batch, and routing that auto-indexes only high-confidence results while sending the rest to human review or LLM fill-in; removed the dependency on ABBYY and Kodak Capture Pro licences.
- Designed two intake modes for Capture: system-agnostic, where n8n collects files from email, SFTP and scanner shares and Capture writes the file plus metadata XML for any downstream system; and fully integrated, where documents uploaded in the Web portal are reviewed and saved through the platform's existing stored procedures, optionally starting a workflow — the ingest → extract → load pattern this role needs for shipping, customs and procurement documents.

- Scoping a self-built reporting and alert module to replace the platform's legacy report tool, benchmarked against DOMO and Superset (design stage).
- Co-designed with the team the Azure architecture for a tender proposal to a Malaysian infrastructure operator: IIS on VMs, SQL Managed Instance, Azure Files, Application Gateway + WAF, Bastion, Entra ID OIDC SSO, three separated environments and a written architecture pack (tender outcome pending).
- Delivered enterprise integrations in production: Microsoft Entra ID SSO with concurrent-session enforcement, Adobe Sign and DocuSign e-signature, Entra directory sync, embedded Apache Superset dashboards.
- Delivered client onboarding and upgrades on SQL Server, and designed the Gitea repository and branching strategy for maintaining several product versions across clients.
- Hands-on with DOMO during a year as the company's authorised DOMO reseller: datasets, dataflows, Beast Mode measures and alerts.
- Built operational tooling: hardware-bound licence failover between production and backup VMs, plus monitoring and alerting for client deployments.

Framemotion Studio Sdn Bhd · Selangor

April 2012 – May 2018

Project / Digital Coordinator Specialist

- Client-facing project coordinator who also owned the in-house development team: scoped, priced and delivered 20+ interactive applications, mobile apps, websites and event systems for government and international exhibitions.
- Notable projects: Malaysia Negaraku Expo, Dataran Merdeka (2017); World Expo Astana 2017, Malaysia Pavilion; Star Trek: The Starfleet Academy Experience (2016) — RFID registration system and 20+ interactives. Tech included Microsoft Kinect, projection mapping, kiosks and mobile.

Allianz Malaysia · Kuala Lumpur

January – April 2012

Software Engineer

- Java and SQL maintenance and enhancements on core insurance systems; first exposure to a regulated enterprise environment.

EDUCATION, CERTIFICATIONS & AWARDS

- Bachelor of Computer Science (Application Programming & Web Development), Taylor's University — RMIT University affiliated program, 2009–2011, CGPA 3.2
- Anthropic certifications: Claude Code 101, Claude Code in Action, AI Fluency: Framework & Foundations, Introduction to Agent Skills, Introduction to Claude Cowork (2026)
- Silver Award, Malaysia Technology Expo 2012 — FThat, an Android location and messaging app built on the Facebook Graph API
- Finalist, Celcom University of Xpax mobile social-networking challenge, 2011