

David Reuel Villamayor

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Engineering Manager

Engineering leader, 15+ years building regulated platforms at scale. At HCLTech, built and led 25+ engineers across 3 squads delivering UOB's digital banking to 8M customers in 5 ASEAN markets, deploying fraud architectures against a USD 1.7B regional scam environment. Made it happen through people investment and product thinking, not just engineering execution. Before that, drove Singpass and Corppass delivery for the Singapore Government. Now going deeper on agentic AI through side projects.

SKILLS

- **Leading:** 25+ engineers across 3 squads · Performance & coaching · Technical design & release governance · Stakeholder management across compliance, product, vendors
- **Building:** Java/Spring · Python · TypeScript/React · Kotlin · Swift · AWS · Kubernetes · Docker · CI/CD · Event-driven systems · OpenTelemetry/Grafana
- **Domain & AI:** Banking · Gov Digital Services · Fintech · Fraud Prevention · Regulatory Compliance · GenAI & Agentic Systems · RAG · Responsible AI Governance

WORK EXPERIENCE

HCLTech

May 2023 to Aug 2025

Technical Lead, Engineering Management · Singapore

Project: Mobile & Web Banking Platforms | Client: United Overseas Bank (UOB)

- Shipped account-drainage detection and facial biometric authentication across regional channels, hardening UOB's defences against a **USD 1.7B pan-ASEAN scam** risk landscape.
- Owned end-to-end delivery for UOB's digital banking across **5 ASEAN** markets: **8M customers** across mobile, web, and branch channels.
- Led engineering for the Citibank-to-UOB customer migration: **2.4M customers onboarded** across Malaysia, Indonesia, and Thailand.
- Managed 3 cross-functional squads (**25+ engineers**) end-to-end, from design to deployment.
- Acted as the engineering interface between UOB product, compliance, and vendor stakeholders across ASEAN markets.
- Certificate of Recognition for Performance Excellence (Mar 2024).

Accenture

Mar 2015 to Dec 2022

Application Development Specialist · Singapore & Philippines

Project: Corppass & Singpass | Client: Singapore Government

- Directed the full **AWS Cloud migration** of Corppass, Singapore's corporate digital identity platform, improving scalability and authentication performance for **200k+ businesses**.
- Drove delivery of Singpass enhancements for **5M+ users**, including QR login handling millions of daily authentication requests.
- Directed a **20-engineer** squad delivering security and WCAG-AA accessibility compliance.
- Re-engineered legacy batch processing into real-time APIs, cutting transaction turnaround from **24 hours to sub-second**.
- Achieved 95% user adoption for the Singpass QR login framework across Singapore.

NEC Telecom Software Philippines, Inc.

Apr 2011 to Feb 2015

Software Design Engineer · Philippines

Project: MS5000 Networking System | Client: NEC Corporation, Japan

- Cut delivery time 20% across five Japan-side engagements by re-architecting the integration test harness.
- Twice received NEC Telecom Software's Presidential Award (2013, 2014) for product delivery quality.

PERSONAL PROJECTS

See live projects at davidreuelvillamayor.com

Bank Statement AI Agent · [live ↗](#)

Agentic app that parses bank statement PDFs, categorises spending, flags anomalies, and returns a plain-English monthly summary. ReAct loop analysis streams in real time. Supports multiple LLM providers. Python · Next.js · Multi-LLM

Cross-Functional Software Delivery Crew · in-progress

Multi-agent crew that takes raw product requirements and runs delivery prep: feature analysis, data-model and API contract proposals, and OWASP security review. Agents critique and refine each other before producing Jira-ready tickets. CrewAI · Python

EDUCATION

Bachelor of Science in Computer Science

Jun 2007 to Mar 2011

University of San Carlos · Philippines

CERTIFICATIONS

Generative AI Leader Certification · Google Cloud Oct 2025

Certified SAFe® 6 Agilist · Scaled Agile, Inc. Oct 2025

Professional Scrum Master™ I (PSM I) · Scrum.org Sep 2025