JERICO BERME

Principal Systems Architect • Full-Stack Engineer • EdTech & Digital Operations Technologist

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SUMMARY

High-leverage Systems Builder and Full-Stack Architect operating at the intersection of enterprise software architecture, industrial CleanTech CAD compilers, quantitative financial modeling, and high-volume digital operations. Maintains an empirical footprint across **46 Git repositories and 267 audited subsystems**, transforming complex domain bottlenecks—from commercial solar PV/storage sizing to biometric ERP suites and anti-bot extraction—into deterministic production software backed by >98% QA governance.

EDUCATION

Bachelor of Science in Information Technology (Undergraduate)
2016 – 2020

STI College Alabang
Muntinlupa, Philippines

EXPERIENCE

Systems & Digital Strategy Lead
2026 – Present

M&G Solar (Division of M&G Non-Specialized Wholesale Trading)
Muntinlupa / CALABARZON, Philippines

- Architected the full-stack vertical digital infrastructure powering wholesale solar operations, automated CAD ocular mapping, and proposal generation.
- Deployed StockEPC warehouse inventory tracking with relational BOM rules and rolled out the MG-System ERP double-entry accounting and biometric HR payroll suite.

Principal Systems Architect & Founder
2024 – Present

imagodei.dev & CareerSync
Remote / Greater Manila Area

- Architected careersync.website, an AI ATS scoring SaaS monetized via GCash and card payments with Next.js and Supabase RLS.
- Engineered bespoke editorial web systems with 60fps inertial smooth-scrolling, 3D CGI product visualization pipelines, and headless SPA archival crawlers.

Content Moderator & Compliance Analyst
2023

Teleperformance
Alabang, Muntinlupa City, Philippines

- Managed digital content governance and risk compliance, sustaining QA scores above 98% in high-volume, SLA-driven queues.
- Engineered rapid-response escalation protocols for sensitive digital assets, safeguarding client reputation and statutory compliance.

Digital Imaging Specialist & Project Lead
2018 – 2020

Freelance Technical Services
Manila, Philippines

- Directed digital imaging deliverables and high-resolution creative assets using Adobe Photoshop, Lightroom, and After Effects, accelerating turnaround velocity by 20%.

PROJECTS

Solar-Engineering-Compiler & SolarCAD
Next.js, React, Konva.js, React-PDF, Supabase, D3.js

A commercial solar PV sizing engine and interactive roof layout platform that automates inverter-to-panel matching (5kW–5.5kW arrays, 16kWh LiFePO4 storage), 4-point homography aerial roof mapping, and instant publication-grade PDF proposals with dynamic D3.js yield curves.

CareerSync
Next.js (App Router), TypeScript, Supabase RLS, Gemini 2.0 Flash, PayMongo API

https://careersync.website

A live commercial AI resume scoring and Applicant Tracking System (ATS) optimization SaaS platform featuring automated transferable skill gap analysis, keyword refactoring, and localized GCash/Card payment monetization.

MG-System ERP & HR Attendance Suite
Turborepo, Supabase SSR, Base UI, Express.js, PostgreSQL RPCs, ExcelJS

A unified enterprise operations monorepo and biometric attendance normalization engine featuring automated PL/pgSQL punch validation, double-entry AR accounting ledgers, and one-click payroll exports.

AETHER-QUANT & Trading Factor Arena
Python 3.14, Rust (Event Engine bindings), AsyncIO, CCXT, Redis, Pandas, FreeLLMAPI

An autonomous 24/7 quantitative trading daemon and alpha factor evaluation environment built with AsyncIO, Rust bindings, and Redis, featuring momentum/volatility factor modeling, order-book slippage simulation, and prompt-injection defense guardrails.

SKILLS

Rust	TypeScript	JavaScript	Python 3.14	SQL	PostgreSQL	Next.js
React 19	Node.js	Express.js	FastAPI	Tailwind CSS	Supabase	Docker
Redis	Google Gemini API	Playwright	OpenCV	Git	Google Workspace Admin	

CERTIFICATIONS

- **Google Gemini Certified Educator** (Google, Jan 2026 – Jan 2029) | • **Google Certified Educator: Level 2** (Google, Jan 2026 – Jan 2029)