

JHONN VINCENT ARCIPE

Software Engineer | AI Product & Backend Systems

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Portfolio | LinkedIn | GitHub

PROFESSIONAL SUMMARY

Engineering is most valuable when it improves the product, not just the codebase. AI Product and Backend Engineer with 2.5+ years of experience working directly with founders, executives, and product teams to turn ambiguous business problems into production-ready platforms, automation, and AI-assisted systems. Owns delivery from discovery and system design through APIs, data workflows, testing, deployment, and iteration, balancing user value, technical trade-offs, and measurable business outcomes.

TECHNICAL SKILLS

- **Languages:** TypeScript, Go, Python, SQL, PHP
- **Backend and APIs:** Node.js, Bun, Hono, Express, Fiber, Laravel, REST APIs, authentication, caching, OpenAPI, Swagger, Redocly
- **Frontend:** React, Next.js, Vite, Tailwind CSS, Zustand, TanStack Query
- **Data and AI:** PostgreSQL, BigQuery, Redis, Supabase, Prisma, PGTyped, Vertex AI, OpenAI API, Gemini, Claude, Vercel AI SDK, Model Context Protocol
- **Testing and DevOps:** Playwright, Vitest, Jest, Testcontainers, Docker, GCP, GitHub Actions, CI/CD, Git, Bitbucket

PROFESSIONAL EXPERIENCE

Software Engineer

Ohmyhome

Feb 2025 – Jul 2026

Singapore / Remote

- Built backend systems that powered customer accounts, property operations, transactions, submissions, maintenance, parcel management, and internal business workflows.
- Built a deterministic, AI-assisted buyer-listing matching system using a custom scoring algorithm, Gemini AI, Respond.io, HubSpot, BigQuery, and internal databases, reducing lead qualification time by **20%** and increasing qualified lead conversion by **33%**.
- Developed TypeScript, Hono, Bun, PostgreSQL, and BigQuery services that consolidated fragmented operational data into actionable workflows for property matching, outreach planning, and data-quality monitoring.
- Improved backend reliability through schema validation, Vitest integration testing, PostgreSQL Testcontainers, Dockerized environments, and GitHub Actions CI, catching API and database regressions before deployment.

Power BI Developer

Cube Asia

Aug 2024 – Nov 2024

Singapore / Remote

- Built analytics dashboards that helped e-commerce teams understand sales, market share, category, brand, and marketplace performance.
- Transformed large Lazada, Shopee, and TikTok datasets into reusable Power BI models and decision-ready visualizations for client reporting.

Software Engineer

Glorious

May 2024 – Jul 2024

Singapore / Remote

- Built MVP features for a scheduling and user-matching platform, translating early product requirements into functional application workflows.
- Developed responsive React interfaces and integrated backend services for scheduling, matching, data persistence, and cross-device usage.

Software Engineer Intern

EdFolio

Dec 2023 – Feb 2024

Philippines / Remote

- Improved mobile responsiveness and frontend usability while supporting backend services and application workflows for an education technology platform.

SELECTED PROJECTS

Simulark – AI Architecture Design Platform

Next.js, TypeScript, Bun, Supabase, OpenRouter
Built an AI product that converts natural-language requirements into validated software architecture diagrams. Implemented streaming chat, multi-provider fallback, deterministic validation and repair, authentication, persistence, caching, interactive editing, and Mermaid, SVG, PNG, and PDF exports. **Live Demo**

Chronosphere – Real-Time Dota 2 Prediction Engine

Python, FastAPI, XGBoost, PostgreSQL, Redis
Engineered a real-time prediction platform that processes live match data and feature-engineered game states to deliver calibrated win probabilities, draft analysis, and WebSocket updates.

EcoRoute – AI and IoT Waste Management System

TypeScript, Python, PostgreSQL, IoT
Developed a smart waste collection platform combining sensor telemetry, fill-level prediction, route optimization, administrative monitoring, and a mobile-first driver workflow.

EDUCATION

Bachelor of Science in Information Technology

University of Cebu – Banilad Campus

Aug 2022 – Jul 2026

Cebu, Philippines

Software Engineering Program / Higher Diploma Coursework

Lithan EduCLaaS

Aug 2022 – Mar 2026

Singapore / Online