

# Gil Benedict Chiu

**Highly motivated Computer Science graduate with hands-on full-stack engineering experience in SaaS, API integrations, and production-focused backend systems.**

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- **Location:** Mandurriao, Iloilo City, Philippines

## Profile Summary

I build and ship full-stack web systems with a backend-first approach, focusing on scalable API design, operational reliability, and clean architecture. I have delivered client-facing products that combine commerce flows, payment integrations, workflow automation, and responsive frontend implementation.

## Work Experience

### Full-Stack Engineer — Accounting Operations Platform (US Client)

- Architected and delivered a full-stack operational platform combining commerce synchronization, accounting workflows, billing lifecycle handling, and internal messaging in one cohesive system.
- Implemented normalized PostgreSQL domain models for products, variants, media, inventory, and finance entities with transactional integrity, foreign keys, and scoped multi-tenant access control.
- Built webhook-secure integrations and long-running sync orchestration with status broadcasting to the UI, enabling reliable reconciliation of external updates into internal relational data.
- Developed diff-based API write contracts for high-complexity product/variant edits to reduce accidental overwrites and keep integration-side mutations deterministic.
- Added media ingestion pipelines (upload sanitization, processing, and metadata persistence) and designed inventory consistency safeguards using database-level logic.

### Full-Stack Engineer — Garage Operations SaaS (UAE Client)

- Built an end-to-end SaaS workflow for garage businesses to onboard, manage bookings/appointments/inspections, and operate customer communication flows through a dedicated business app plus admin console.
- Implemented a TypeScript Express API with JWT auth, route guards, validation pipelines, and rate-limited auth surfaces, backed by Supabase Postgres and Storage.
- Designed staged registration and verification-oriented account onboarding patterns to protect account creation flow quality while maintaining smooth user conversion.
- Added resilient client behavior with cache TTL strategies, mutation-triggered invalidation, and retry backoff to improve reliability under unstable network conditions.

- Converted pre-designed Figma flows into production-ready, responsive UI behavior aligned to the original product intent and business workflow requirements.

## **Backend Engineer — Queue & Skip-Pass Commerce Backend (UK Client)**

- Engineered backend services for queue commerce, business onboarding, skip-pass lifecycle management, discovery, messaging, and review workflows.
- Implemented Stripe Connect/Checkout flows for connected account onboarding, pass purchasing, and payment state handling with metadata consistency across transactions.
- Designed webhook-driven status updates and notification insertion paths to keep customer/business state synchronized after payment and account events.
- Enforced ownership-aware authorization and business-level constraints (including conflict-safe uniqueness) to prevent cross-tenant data leakage and duplicate pass configurations.
- Structured feature-scoped API modules with shared auth/database utilities to maintain delivery speed while keeping backend contracts clear and maintainable.

## **Technical Proficiency**

- **Languages & Frameworks:** JavaScript, Node.js, Express, React
- **Databases:** SQL, PostgreSQL, Supabase, SQLite
- **Tools & Technologies:** API Integrations, Git, Figma

## **Education**

- **Central Philippine University** — Bachelor of Science in Computer Science (2019–2023)
- **Senior High School** (2017–2019)
- **Junior High School** (2012–2017)

## **Certificates**

- **Machine Learning and its Applications**
- **Full Stack Developer and its Online Applications**
- **DICT Coding Workshop with StackTrek**