Christian Panerio

Full Stack Developer | React, Next.js, React Native, Firebase

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SUMMARY

Full Stack Developer with 5 years of experience building and optimizing enterprise systems. Sole developer of a Human Resources Information System (HRIS) built for a footwear retailer with 100+ branches, and active developer of its retail and warehouse platform and offline-first mobile warehouse app. Background in Microsoft Power Platform from 3 years at Fujitsu, certified PL-400 and PL-900. Based in the Philippines (PHT, UTC+8), open to remote roles, with a dedicated home office and fiber internet.

WORK EXPERIENCE

Full Stack Developer, Alberto Shoes Corporation Dec 2025 – Present

HRIS Platform | Sole developer | Next.js, React, TypeScript, Firebase

- Designed and built an HRIS for 100+ branches covering recruitment, attendance, leave and overtime filings, payroll and performance: 53 pages, 153 API endpoints and 76 Firestore collections, shipped through 166 merged PRs. In user acceptance testing (UAT), with IT and HR using it for recruitment, filings and attendance.
- Designed role-based access control across 33 modules, 6 roles and 3 access levels, enforced through Firebase custom claims and edge middleware.
- Implemented Philippine statutory payroll (SSS, PhilHealth, Pag-IBIG, withholding tax), with unit tests for overtime and timezone edge cases.
- Built offline-first clock-in (IndexedDB queue, server-authoritative sync with retry and backoff), GPS- and photo-verified field filings with server-side geofence checks, and an in-browser parser that imports biometric time-clock exports.
- Cut Firestore load by replacing a per-viewer collection scan with a cached server read model, removing an N+1 lookup (100 requests down to 4) and attaching live listeners only while visible.
- Secured and tested the system with Zod validation (231 schemas), per-user rate limiting and 473 automated tests under strict TypeScript.

AGURS Retail & Warehouse Platform | Sole active developer since Jul 2026 | Next.js, Firebase, Cloud Functions

- Took over development of a platform for inventory, warehousing, transfers, point of sale (POS) administration and procurement, and fixed scaling problems in its original architecture.
- Built a sales item upload for department-store channels in Dec 2025 as my first project, before moving to the HRIS; it was later merged into this platform.
- Reduced Firestore read costs through query, listener and caching optimizations, and virtualized the stock allocation matrix so it stays responsive with 1,300+ SKUs.
- Enhanced the warehouse floor-map editor, a pan/zoom, virtualized tool for laying out bins and zones.
- Built a versioned mobile REST API and a picking and packing domain engine with discrepancy checks, and extended Cloud Function job processors for receiving, transfers and pick/pack.

AGMS Warehouse Mobile App | React Native, Expo, SQLite

- Diagnosed why v2 was slow: Redux used as the inventory store, a full-dataset download on every login, and a slow manual sync. Optimized its sync engine and picking reconciliation.
- Designed and built v3 as sole developer, with SQLite as the local source of truth, an idempotent offline outbox, a hardware barcode-scanner input core and 654 automated tests.
- Built a version-isolated API so v3 rolls out module by module without changing the production v2 app.
- Added offline-first delivery completion: store drop-off with the receiver's signature, cross-dock hub binning, a server-confirmed fulfillment step and scan-to-load, sent through a retry-safe queue with stable idempotency keys. Replaced full session-list downloads with cursor paging.

Independent Full Stack Developer, Self-Employed Apr 2025 – Nov 2025

- Built and deployed 8 web and mobile apps, including an event ticketing platform (Next.js, Convex, Clerk, Stripe Connect), a real-time team chat app and a product configurator on PostgreSQL, with Stripe payments, Clerk and Kinde authentication and Sanity CMS. Live demos at christianpanerio.com.

Application Systems Engineer (Power Platform & BI Developer), Fujitsu Mar 2022 – Apr 2025

- Built Canvas and model-driven Power Apps for employee onboarding, consultation management and project management, including an onboarding app delivered as a solo project.
- Delivered Power BI dashboards with DAX and Power Query, including one completed ahead of schedule.
- Integrated Power Platform apps with Robot Framework test automation, and added custom JavaScript and SSRS reports to model-driven apps. Also built an OutSystems shopping app and a Java MVC system.
- Mentored teammates on DAX and query optimization. Rated Class A (96) in the FY23 Q3 performance review.

Data Analyst, Accenture 2019 – 2021

- Worked across billing, implementation and network operations: verified client billing data and resolved invoice discrepancies, coordinated client system rollouts, and managed network access for engineers across multiple data centers. Recognized for fastest learning during training.

SKILLS

- **Languages:** TypeScript, JavaScript, SQL, Java, Python
- **Frontend:** React, Next.js, Tailwind CSS, shadcn/ui, Radix UI, HTML, CSS
- **Mobile:** React Native, Expo, Expo Router, SQLite, Offline-first Architecture & Sync, Zustand, TanStack Query
- **Backend & Data:** Node.js, REST APIs, Firebase (Firestore, Authentication, Cloud Functions, Storage), PostgreSQL, MySQL, Prisma, Drizzle ORM, Convex
- **Low-code & BI:** Power Apps, Power Automate, Power BI (DAX, Power Query), Dataverse, OutSystems
- **Testing & Delivery:** Jest, Vitest, Robot Framework, Git, GitHub, Vercel, Firebase App Hosting, EAS Build

CERTIFICATIONS

- Microsoft Certified: Power Platform Developer Associate (PL-400), 2022
- Microsoft Certified: Power Platform Fundamentals (PL-900), Sep 2022

EDUCATION

Bachelor of Science in Information Technology, University of Caloocan City 2015 – 2019

References available upon request.