

Francis Wilfred Antiporda

Full-stack developer, web and mobile.
Seeking OJT.

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SUMMARY

Fourth-year BS Information Technology student at Lyceum of the Philippines University, Cavite, graduating in 2027 and looking for an OJT placement. I ship end to end: schema, backend, interface, and the pipeline that keeps it honest. Nine shipped and in-progress projects across Next.js, React, Flutter, Unity and Firebase, including a job-management system now replacing a car care shop's paper records, and a training app carrying 648 automated tests. Comfortable owning the security-sensitive parts: role-based access control, Firestore rules with emulator-backed assertions, and money arithmetic that never trusts the client.

EDUCATION

Lyceum of the Philippines University, Cavite

BS Information Technology · 4th year · expected 2027

- **Capstone, team leader:** FloodGuard, a Predictive IoT and Artificial Intelligence Flood Monitoring and Early Warning System with Automated SMS Notification for the Municipality of Noveleta, Cavite.
- **Information Assurance and Security:** SOC toolkit assembly, Linux server log analysis, MITRE ATT&CK mapping.

CERTIFICATIONS

- **Associate Data Analyst**, DataCamp. September 2026. Credential DAA0010897337178.
- **Ethical Hacker**, Cisco Networking Academy. July 2026.
- **Networking Basics**, Cisco Networking Academy through LPU Cavite. February 2026.
- **CCNA: Introduction to Networks**, Cisco Networking Academy through LPU Cavite. January 2026.
- **Back-End Web Development Microcourse**, Philippine Coding Camp at LPU Cavite. November 2025.
- **SAP Business One Student Courseware**, SAP through Erudite Academy and LPU Cavite. May 2025. TB1000 Logistics, TB1100 Financials.
- **Python Essentials 2**, Cisco Networking Academy with OpenEDG Python Institute. May 2024.
- **Getting Started with Compute**, AWS Educate. Trained.

SELECTED PROJECTS

AutoCare, job-management system for a car care shop

2026 · Next.js 15, Prisma, PostgreSQL, next-auth, next-intl

- Built to replace a paper notebook: a seven-step wizard, one decision per screen, totals computed rather than typed.
- Money maths lives in a single module shared by client and server. The API schema refuses to accept totals, so the server always recomputes from line items. Enforced by tests.
- bcrypt, login lockout and rate limiting, database-checked sessions with immediate revocation, RBAC in middleware and again server-side, per-request nonce CSP, full audit log.
- Bilingual English and Filipino interface, PDF receipts, CSV and JSON backup, and CI running lint, typecheck, unit and database tests, migrations, seed and build.

RallyReady, solo badminton training PWA

2026 · React 19, TypeScript, Vite, Supabase, Vitest

- Audio-first drill engine with spoken corner calls, distinct tones, haptics and configurable split-step timing, usable without looking at the screen.
- Training-load model (effort multiplied by minutes) with ramp detection, plus a readiness input that reshapes each session, and a periodised 4 to 16 week program generator.
- 648 tests under Vitest. `npm run verify` (typecheck, lint, test, build) gates every push.
- Installable and offline-capable. The trainer runs with no connection and syncs sessions when it returns.

BadmintonPH, tournament-management platform

Live at badminton-ph.web.app · React, Firebase Hosting

- Real-time scoring, rankings and multi-category tournaments, with an admin dashboard.
- Built and deployed solo. Owned the interface, the performance work and the security work.

Hiroshi Master Grill Samgyupsal, restaurant site and reservation system

Live at hiroshi-grill.vercel.app · Next.js 16, TypeScript, Supabase, Zod · External client

- First paying client. Public booking site plus a staff portal behind Supabase Auth, with role-aware controls.
- Row Level Security denying by default, with 43 policy tests and 132 endpoint and sign-in tests, both run in CI against a real Postgres.
- Nonce-based CSP so the App Router's inline scripts work without `unsafe-inline`, and rate limiting in Postgres because in-memory limits do not survive serverless.

CycleMind AI, AI cycling coach and bike doctor

Live at wilfredds.github.io/My_Projects · Flutter, Dart, Riverpod, Firebase, Cloud Functions

- Clean Architecture, feature-first, repository pattern. Every external dependency behind an interface, so the whole app runs on mocks with no keys and no setup.
- Model API keys held server-side in Cloud Functions, so no secret ships in the mobile binary.
- Typed `Result` returns, so no exception crosses a layer boundary. No code generation, so a plain `flutter pub get` builds it.

Bike Guide PH, offline-first cycling PWA

Live at wilfredds.github.io/My_Projects/bike-guide-app · Vanilla JS, Service Worker, Firebase, Geolocation API

- Sixteen pages built with no framework or bundler: gear-ratio simulator, curated Philippine routes, GPS ride recording, 30-day challenge.
- Replaced a client-generated UUID identity with Firebase Anonymous Auth, moving ownership checks server-side into rules that can verify them.

Corruption Watch PH, public reporting site

2025 · Firebase, Firestore security rules

- Anonymous submissions that anyone can write and only admins can read, enforced in Firestore rules rather than in the interface.
- 25 rules assertions run against the real Firestore emulator in CI, and verified to fail when the rules are loosened.

Hiraya, Filipino MMORPG

In progress · Unity 6, C# · Self-directed

- Filipino-themed MMORPG with community-first design, built in Unity 6 with C#.
- Also authored a formal five-page QA report on a separate MMORPG beta.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript, Dart, C#, Python, SQL, HTML, CSS

Backend & data

Node.js, Prisma, PostgreSQL, Firebase and Firestore, Supabase, Cloud Functions, next-auth

Testing

Vitest, node:test, Playwright, Firestore emulator, GitHub Actions

Networking & security

Cisco CCNA (ITN), Networking Basics, Ethical Hacker, MITRE ATT&CK mapping, Linux log analysis

Deploy & cloud

Vercel, Firebase Hosting, Neon, GitHub Pages, AWS Educate

Frontend

React, Next.js (App Router), Flutter, Vite, Tailwind CSS, Framer Motion, shadcn/ui, PWA

Data & analytics

SQL, Python, pandas, data cleaning, exploratory analysis, visualisation, reporting

Practices

Clean Architecture, repository pattern, RBAC, i18n, CI/CD, code review

Game development

Unity 6, C#