

AURELIO HEVI ALFONS

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PROFESSIONAL SUMMARY

Full-stack developer with hands-on Python, JavaScript/TypeScript, and React experience from a software internship (Flutter, Firebase, Stripe). Built full-stack projects end-to-end, including a Pokémon battle simulator (React + FastAPI) and an AI recommendation app integrating external APIs. Comfortable with Docker, GitHub Actions CI/CD, and AI coding tools.

TECHNICAL SKILLS

Languages	: TypeScript/Javascript, Python, Dart, Java.
Frontend & Mobile	: React/Next.js, Flutter, Tailwind CSS.
Backend & Data	: Node.js/Nest.js, FastAPI, REST APIs, OOP, MySQL, PostgreSQL, SQLite, Database Design.
Cloud & DevOps	: Azure, AWS, Docker, Git, GitHub, GitHub actions, Firebase Firestore, Vercel, Render, BitBucket.
Others	: Agile, Asana, Figma, Unit Testing(Jest, PyTest), Requirements Gathering, Debugging, Claude Code, Codex.

WORK EXPERIENCE

Everything You Need | Software Developer Intern

Jan 2024 – Jan 2025

- Resolved layout issues across screen sizes using Expanded, Flexible, MediaQuery, boosting UI responsiveness by 20-30%.
- Implemented HR/Payroll features with Stripe, slashing manual staff processing time by 25%.
- Diagnosed and fixed bugs using Flutter DevTools and console logs, improving app stability by 40%.
- Drove an Agile sprint workflow with Git, BitBucket, and Asana, delivering 90%+ of sprint tasks on time.

VUSU & VU Computer Science Society | Digital Media & Marketing Officer

July 2024 – Dec 2024

- Broke down technical concepts to lead a Simple App Development workshop for students with no coding background.
- Produced posters, videos, and promotional material for university campaigns using Canva and Figma, meeting brand and deadline requirements while tracking deliverables in Excel.

PROJECTS

Archive - Multi-Agent AI Assistant | NestJS, Next.js, TypeScript, Prisma, PostgreSQL, Claude API, Render, Vercel

- Classified incoming Gmail messages with Claude API and matched duplicate-safe records into Notion, automating end-to-end job-application tracking across 280+ applications synced live in production.
- Built retry logic that resends malformed Claude output with the exact validation error for automatic correction, engineering a self-healing 4-stage AI evaluation pipeline with 310/310 backend tests passing.
- Built a router agent that hands off structured work to a specialist agent through a Postgres-backed queue, architecting a multi-agent task-routing system with a hard-capped 10-level task chain depth.

PokeSim - Full-Stack Pokemon Battle Simulator | React, FastAPI, Supabase/PostgreSQL, GitHub Actions, Vercel, Render

- Migrated persistence from SQLite to Supabase/PostgreSQL with Row Level Security, adding real user authentication and per-user saved-team ownership enforced at the database policy layer.
- Replaced live PokeAPI calls with a static pre-generated Pokédex snapshot, cutting Pokédex load times and removing runtime dependency on an external API.
- Built a two-service GitHub Actions CI pipeline deploying across Vercel and Render, shipping playable, publicly accessible game.

WatchWise AI - Movie/Anime Recommendation App | React, TypeScript, FastAPI, TMDB API, Gemini API, Docker, GitHub Actions

- Used async API calls, caching, and connection pooling, cutting backend response time by 75% (15s → 3-4s).
- Split logic so TMDB pulls real data and Gemini only ranks it, eliminating fake or hallucinated recommendations.
- Containerized the app with Docker and set up a GitHub Actions CI pipeline, shipping a publicly deployed, tested product.

LEADERSHIP EXPERIENCE

Maryborough Council

Smart Foot Traffic Monitoring - Capstone Project Lead | Python, Flask, MySQL, Pandas, scikit-learn, Prophet

- Used a Gantt chart to plan and track the timeline, leading the capstone team to deliver the project on schedule.
- Coordinated with a council contact through biweekly sprint meetings, translating stakeholder needs into a working system.
- Engineered a Python pipeline (deduplication, missing-value handling, timezone normalization) feeding MySQL, then built a Prophet-based model to forecast foot-traffic trends.

EDUCATION

Victoria University	August 2022 – June 2025
Bachelor of Information Technology	GPA 6.06/7.00

CERTIFICATIONS

Claude Code 101 (Anthropic), Getting Started with Flutter Development (Google)