

Alejandro Peñaloza Otárola

Software Engineer

Valparaíso, Chile | LinkedIn: [linkedin.com/in/apenaloza](https://www.linkedin.com/in/apenaloza) | GitHub: github.com/apenaloza | Website: apenaloza.cl/en

SUMMARY

Software engineer based in Valparaíso, Chile, with seven years building systems people use every day: port logistics, school ERPs and mobile apps in production. Currently a software engineer at Full College, PHP developer at Transportes Peñaloza Hnos, lecturer at Instituto Profesional AIEP, and pursuing a Master's degree in Computer Engineering at Universidad Andrés Bello.

PROFESSIONAL EXPERIENCE

Software Engineer, Full College Ltda

Jan 2026 - Present | La Florida, Santiago Metropolitan Region

Mobile application development and maintenance for an education ERP, focused on payroll and human resources, and participation in the platform's move toward cloud architectures.

- Flutter mobile applications integrated with a Laravel and PostgreSQL backend.
- Migration of services from the monolith to a stateless cloud architecture.
- Linux server administration, Docker containers and CI/CD pipelines.
- Full cycle: requirements gathering with business users, development, App Store and Google Play releases, and post release support.

Technologies: Flutter, Laravel, PHP, PostgreSQL, Huawei Cloud, AWS, Docker, Redis, CI/CD, Linux, Dart, Nginx, GitLab CI, GitHub Actions, Jenkins, DevOps

Lecturer, Instituto Profesional AIEP

Aug 2024 - Present | Región de Valparaíso

Teaching in the Ingeniería en Informática (Computer Engineering) and Técnico en Programación y Análisis de Sistemas (Programming and Systems Analysis Technician) programs.

- Android mobile programming and mobile applications workshop.
- Systems design, software auditing and risk management.
- Introduction to requirements and business models.
- Capstone project workshop and web programming workshop.

Technologies: Android, Java, Kotlin, Diseño de sistemas, Auditoría de software

PHP Developer, Transportes Peñaloza Hnos SpA

2022 - Present | Valparaíso

Design and development of an ERP and CRM for managing and assigning drivers at the TPS and SAI ports.

- Driver portal for uploading regulatory documentation, with automatic email notification after each assignment.
- Issuance of electronic tax documents, dispatch notes, invoices and credit notes, through integration with a billing API.
- Payment reminder module and trip tracking.

Technologies: Laravel, PHP, Vue.js, MySQL, APIs REST

PHP Developer, CPEL Ltda

2020 - 2022 | Valparaíso

Development of a web application for managing a maritime container depot.

- Registration, location and check-in of containers, with automatic calculation of days stored.

- Supplier portal for payment and scheduling of container pickup.

Technologies: Laravel, PHP, Vue.js, MySQL

Web Developer, Canal 74

2020 | Valparaíso

Design and development of the channel's institutional website.

- Institutional website built on WordPress.

Technologies: WordPress, PHP

EDUCATION

Magíster en Ingeniería en Informática (MSc in Computer Engineering)

Universidad Andrés Bello | 2026 - in progress

Diplomado en Ciencia de Datos (Postgraduate Diploma in Data Science)

Universidad Andrés Bello | 2026 | Summa Cum Laude

Diplomado en Inteligencia Artificial y Data Mining (Postgraduate Diploma in Artificial Intelligence and Data Mining)

Universidad Andrés Bello | 2025

Ingeniería en Ejecución Informática (Applied Computer Engineering), Systems Development track

Instituto Profesional AIEP | 2020 - 2022

Técnico en Programación y Análisis de Sistemas (Programming and Systems Analysis Technician)

Instituto Profesional AIEP | 2018 - 2020

SKILLS

- **Languages:** PHP, Dart, JavaScript, TypeScript, Python, SQL, Java
- **Frameworks and libraries:** Laravel, Flutter, Vue.js, React, Next.js, Node.js, Express
- **Databases:** PostgreSQL, MySQL
- **Cloud and infrastructure:** Linux, Docker, Nginx, CI/CD, GitLab CI, GitHub Actions, Jenkins, DevOps, Arquitecturas stateless, APIs REST
- **Tools and practices:** Git, GitHub, Gitflow, App Store, Google Play
- **Data and AI:** Data mining, Machine learning aplicado, Análisis de datos

PROJECTS

alertamp, SaaS · own product

Monitors Chile's public procurement quick-purchase listings (Compra Ágil) and alerts each company in real time when an opportunity in its field appears. Technologies: Next.js, Node.js, PostgreSQL, ntfy.

Trip and route tracking, Logistics · private client

Trip and route tracking system for a transport company. Code and client under a non-disclosure agreement. Technologies: Next.js, PostgreSQL, PWA.

Human resources mobile app (2026), Mobile · private client

Mobile app published on the app stores for a client in the human resources space. Details under NDA. Technologies: Flutter, Dart, REST.

Tax services integration, Integration · internal use

Integration microservice with tax authority services to automate accounting processes. Internal use.

Technologies: Node.js, Fastify, Docker.

apenaloza.cl, this site (2026)

Bilingual CV and portfolio site, built as a static application with interactive islands and deployed on my own VPS. Technologies: Astro, Vue.js, TypeScript, Zod, Docker, Node.js.

Institutional website for Canal 74 (2020)

Institutional website for a regional television channel. Technologies: WordPress, PHP.