ADRIÁN NICOLÁS CISNEROS BARTRA

Full Stack Developer with Software Architecture training
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SUMMARY

Full Stack developer with a specialization in Software Architecture (TECSUP). I work mainly with Java and Spring Boot, Python and TypeScript (Angular, React). At CorAll D&R I build products and custom systems for clients: a parking SaaS, ERP modules, e-invoicing and WhatsApp automations. Certified in Project Management (PMBOK 7th ed.) and Agile Methodologies by the Peruvian College of Engineers (CIP).

EXPERIENCE

Software Engineer | CorAll Development and Research SAC *Trujillo, Peru (hybrid)*
Sep 2026 – Present | *coralldar.com*

- Built Parkio (parkioperu.com), the parking management SaaS that CorAll sells: Java and Spring Boot backend with hexagonal architecture, a React Native app for operators and Angular web dashboards.
- Contribute to the company's internal ERP (TypeScript, React, PostgreSQL), where I built the digital asset request workflow for Marketing and session handling for the intranet, client portal and mobile app.
- Built the e-invoicing module for Maqinpro, a machinery distributor: SUNAT document submission, credit notes and dispatch guides.
- Automate WhatsApp customer messaging and campaigns for several clients: bulk sends and community messages with the Wati API, and multi-agent systems in Python with LangChain that book appointments, answer questions and handle support.
- Build client landing pages with Astro, including Parkio's.

Backend Developer (Freelance) | Make The Difference NGO *Trujillo, Peru*
Jan 2025 – Mar 2025 | *GitHub*

- Built the volunteer management API in Spring Boot with JWT authentication, roles, email notifications and file uploads.
- Defined the AWS and Cloudflare infrastructure with Terraform and set up the CI/CD pipeline in Jenkins.

Tech Lead and Full Stack Developer (Freelance) | Plenamente Integral Therapy Center *Trujillo, Peru*
Aug 2024 – Jan 2025 | *Landing page*

- Led a team of 5 developers with Scrum to build the center's system for medical inventory, staff schedules and patients.
- Built the backend in Java with Spring MVC and Spring Data JPA, with a Swagger-documented REST API and role-based access.
- Implemented low-stock alerts and appointment reminders, and deployed the application with Docker and Nginx.

PROJECTS

MOVICAR: multi-agent assistant for a car repair shop (university project) | *Python, LangChain, LangGraph, FastAPI, React*
Oct 2026 – Nov 2026 | *GitHub*

- Built a chat assistant that quotes repairs and books appointments: an orchestrator agent delegates to a quoting agent and a scheduling agent, while business rules (price list, shop manager approval) are enforced in code rather than in the prompt.
- Covered it with 47 automated tests and made it deployable with Docker Compose on PostgreSQL.

Machine Learning face recognition system | *Python, FastAPI, OpenCV, React Native*
Jun 2025 – Nov 2025 | *API* | *Mobile app*

- Implemented the Eigenfaces and LBP algorithms from scratch plus a fusion of both, reaching 85-92% accuracy in testing.
- Built the recognition and alerts API with 95% test coverage, and a React Native app that uses it.

CARID: license plate recognition | *Python, YOLOv8, React, TypeScript*
Jun 2025 – Jul 2025 | *Backend* | *Frontend*

- Trained a YOLOv8 detector for Peruvian plates and combined it with OCR to read them in images, videos and live streams.
- Built the web interface in React and TypeScript.

IoT temperature monitoring and forecasting (university project) | *Python, FastAPI, ESP32*
Aug 2024 – Dec 2024

- Built an API that receives real-time sensor readings, plus regression and ARIMA models to forecast temperature, with an alerts dashboard.

EDUCATION

Universidad Privada Antenor Orrego (UPAO) *Trujillo, Peru*
B.S. in Computer and Information Systems Engineering *Apr 2021 – Dec 2026 (expected)*

CERTIFICATIONS

- **Software Architecture Specialization** | TECSUP | Aug 2025 – Dec 2025 | 180 hours | Grade 19/20 | Credential COD/CPE/25/253
- **Project Management Specialization (PMBOK 7th ed.)** | Peruvian College of Engineers and Netcram Consultores | Dec 2025 | 120 hours | Grade 19/20 | Credential GPB25NV-12N72
- **Agile Methodologies Specialization** | Peruvian College of Engineers and Stratton IED | Dec 2025 | 120 hours | Grade 18/20 | Credential MAG25NV-09S5

SKILLS

- **Languages:** Java, Python, TypeScript, SQL
- **Frameworks:** Spring Boot, FastAPI, Angular, React, Next.js, Astro
- **Data and infrastructure:** PostgreSQL, MySQL, Docker, AWS, Git
- **AI and automation:** LangChain, LangGraph, OpenCV, YOLOv8, WhatsApp API (Wati)
- **Practices:** REST APIs, hexagonal architecture, automated testing, Scrum

LANGUAGES

Spanish: native | English: B2 (upper intermediate)