ANTONIO CORTAZAR JIMENEZ

Cancún, Mexico · +52 81 3511 2848 · hola@antoniocortazar.dev
LinkedIn · Portfolio · GitHub

PROFESSIONAL PROFILE

Full Stack Developer and Software Engineering student, with experience building and hardening real-time internal platforms on React, TypeScript and Firebase, integrations via API and webhooks, and process automation on ERP/CRM platforms such as Zoho One. I integrate AI-assisted development into my workflow, with architecture, security and testing review over the generated code.

EDUCATION

Universidad Tecmilenio 2023 – Expected: May 2027
B.Eng. in Software Development · Cancún, Mexico
Data Structures · OOP (Java) · Full Stack Web Development · Relational Databases · Infrastructure as Code

EXPERIENCE

Andiani Travel Jul 2026 – Present
System Specialist
- Responsible for the internal systems of a vacation rental management company: administration of the PMS (Guesty) and its integrations, and development of the company's internal operations platform.
- Implemented the team's VoIP telephony with Twilio SIP and Poly phones, with cascading routing of incoming calls managed from the platform itself.
- Implemented an AI agent for guest support with message classification, escalation to a human, and suggestion mode prior to automation.

Onix Living Aug 2025 – May 2026
IT and Web Development Assistant
- Developed an internal IT operations dashboard with Next.js and Docker on AWS, centralizing asset monitoring, ticketing and provisioning.
- Administered and customized the Zoho One ERP; built automations in Zoho Flow and integrations between modules, and optimized workflows in Zoho CRM.
- Implemented Snipe-IT to track 100+ fixed assets; provided N1–N3 technical support and trained 25+ employees in AI and automation tools.

Office Depot Jun 2024 – Aug 2025
Technology Department Supervisor
- Led and trained a team of 5 collaborators and exceeded quarterly KPI targets through sales and specialized customer advisory in hardware, software and electronics.

PROJECTS

Tablero Andiani — Real-Time Enterprise Platform Jul 2026 – Present
Lead Developer · React, TypeScript, Firebase (Firestore, Auth, Cloud Functions), Tailwind, Vite, GitHub Actions
- Audited in production a platform built entirely with AI-assisted generation and without architecture review (~260 properties, 160+ collections, 150+ functions): documented the technical debt and prioritized the critical findings —permissive security rules, monolithic backend, and lack of CI/CD and monitoring.
- Hardened security with a four-level cascading authorization model materialized in a permissions mirror written only by the server, validated by declarative rules and covered by automated tests against the emulator.
- Diagnosed database consumption down to its root cause (listeners with fan-out, unwindowed queries, N+1 amplifiers in functions) and reduced it 75% with precomputed aggregates and query redesign.
- Modularized the backend by domain, implemented CI/CD in GitHub Actions for frontend, backend and auxiliary processes, and documented architecture decisions versioned alongside the code.

Koa Towers and Aldea Savia — Interactive Real Estate Platforms Mar – May 2026
Onix Living · Astro 6, Google Sheets API, GitHub Actions, CI/CD
- Developed static landing pages with Astro 6 (SSG) replacing PDF distribution, with load times <1s and significant SEO improvement.
- Integrated the Google Sheets API to synchronize in real time an inventory of 180+ units, with interactive 3D maps and scroll animations.

Microservices Architecture — Docker + Kubernetes Feb 2026
Academic · Node.js, Nginx, MySQL, Helm, GitHub Actions
- Designed an architecture with a Node.js backend, Nginx reverse proxy and MySQL; orchestrated deployments on Kubernetes with Helm and a CI/CD pipeline in GitHub Actions.

TECHNICAL SKILLS

Languages & Core: TypeScript, JavaScript, Python, Node.js, Git
Frontend / UI-UX: React, Next.js, Astro, Vite, Tailwind CSS, Figma, Photoshop
Backend & APIs: Node.js, Express, Spring Boot, REST APIs, Webhooks, Twilio
ERP / Low-code & Automation: Zoho One, Zoho CRM, Zoho Flow, Guesty, Snipe-IT
Databases & DevOps: Firebase (Firestore, Auth, Cloud Functions), MySQL, Docker, AWS, GitHub Actions

CERTIFICATIONS

AWS Academy Graduate: Data Engineering — Amazon Web Services Dec 2025
EF SET English Certificate — C1 Advanced (67/100) — EF SET Jul 2025
Networking Academy Learn-A-Thon 2024 — Cisco Jun 2024
Advanced Figma — LinkedIn Learning Mar 2024