



PROFILE

Bachelor's degree in Cyber Defense, currently studying Systems Engineering. I design and build software, systems and digital tools. I work by understanding the whole problem before writing code, and I don't call anything finished until it works in real use.

PROJECTS AND WORK

Aural POS

AURAL · Founder · design and development

The point-of-sale system I design and build for AURAL. Shops in Argentina use it to take payments, track stock and close out the register. A cloud point of sale that stores sales offline and syncs them when the connection comes back. Each shop builds its own setup: register, stock, customer accounts, tables, delivery and Mercado Pago payments.

Each shop is isolated from the rest, permissions are checked on the server and the read backend runs with read-only access. Architecture rules are verified automatically on every change.

TypeScript · Next.js · React · Bun · Turborepo · PostgreSQL (Neon) · Drizzle ORM · ElysiaJS · Zod · Mercado Pago · Vercel

ARCA electronic invoicing

Aural POS module · Built · in testing

An Aural POS module that lets each shop issue electronic invoices for its sales under its own tax ID (CUIT). A single certificate signs the access request and each shop delegates the service. Keys never leave the server, and ARCA's errors are translated into language a shop owner understands.

TypeScript · node-forge · SOAP / XML · QR fiscal (RG 4291)

Bilingual websites for Hispanic businesses

Independent web development

Spanish-English websites for Hispanic-owned businesses in the US. Before charging anything, I build a demo with the real business. Lightweight, mobile-first sites with a language switch and the menu or services up front.

HTML · CSS · JavaScript

Online store for an agriculture creator. A sales landing page for an agriculture content creator, built for mobile.

Website for an industrial company. Company website, domain and email for an industrial company.

MANDIBULA.DEV

Personal project

Identity, design system and website for this brand, built from scratch. One geometric rule —two pieces that fit together precisely— that shapes the logo, typography, 3D and motion.

Astro · TypeScript · Three.js · CSS

EDUCATION

Bachelor's degree in Cyber Defense

Completed

Systems Engineering

In progress

SKILLS

Business software

Complete systems, from the data model to the checkout screen: sales, stock, permissions and reports.

Systems and integrations

Databases, APIs and connections to external services such as payments or electronic invoicing.

Security by design

Client isolation, server-side permission checks and keys kept out of the browser: cyber defense training, applied to building.

Fast websites

Lightweight, mobile-first sites and, when needed, in two languages.

Identity and interaction

Visual systems, real-time 3D and interactive prototypes in the browser.

TOOLS

TypeScript

React

Next.js

Bun

PostgreSQL

Drizzle ORM

ElysiaJS

Zod

Astro

Three.js

HTML / CSS

Vercel

CONTACT

hola@mandibula.dev

www.mandibula.dev/en

Instagram @mandibula.dev