

JESÚS ADOLFO DÍAZ CENTENO

Full Stack Engineer · TypeScript · Go · React · PostgreSQL

Spanish citizen — EU work authorization, no sponsorship required · English C2

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PROFESSIONAL SUMMARY

Full Stack Engineer with 3 years of experience delivering production systems in full: data modelling, backend, interface and deployment. I work in TypeScript and Go. I have been the sole engineer responsible for production systems with active clients, from architecture through to operation and support.

TECHNICAL SKILLS

Languages: TypeScript, Go (Golang), SQL · **Frontend:** React, Next.js, Tailwind CSS, React Query · **Backend:** Node.js, Bun, Hono, Fiber, Ruby on Rails, REST APIs, tRPC · **Data:** PostgreSQL, MongoDB, Drizzle ORM, schema design and migrations · **Infrastructure:** Docker, CI/CD, GitHub Actions, mTLS, OAuth · **Practices:** TDD, hexagonal architecture, monorepos · **AI:** LLM integration, model evaluation against labelled datasets

PROFESSIONAL EXPERIENCE

Full Stack Engineer — Kompil · kompil.com

Nov 2025 – Jul 2026

- Developed features end to end on a vehicle financing platform: the customer requests a vehicle from a partner dealership, Kompil buys it and sells it on to them in instalments. Operating in the Dominican Republic and Venezuela.
- Worked across the full lifecycle: the application and risk assessment, the purchase of the vehicle, the instalment schedule, collections, treasury and accounting, and the recovery and resale of the vehicle when a customer stops paying.
- Led the full product redesign, rebuilding the client and administration applications with no service interruption for active users, on a TypeScript monorepo with Next.js, TanStack Start, tRPC and MongoDB.

Founder & Full Stack Engineer — Artitek · artitek.dev

2026 – Present · Caracas, Venezuela

- Software development consultancy. Sole engineer on the three systems described below: architecture, development, deployment, operation, and the direct technical relationship with the bank.
- La Torre went from its first line of code to its first paying client in six months, and has been in production ever since.

Full Stack Engineer — GMA Desarrollo

Apr 2024 – Jul 2025 · Part-time

- Developed an automotive services marketplace in full: workshop directory, quotation requests and service booking.
- Responsible for the Ruby on Rails backend and the Next.js frontend, from the data model through to the interface.

Full Stack Engineer & Technical Lead — Eddu · eddu.app

Aug 2023 – Sep 2024

- Developed and operated a cloud fee-collection platform for academic institutions: charge issuance and per-student account statements.

SELECTED PROJECTS

La Torre — multi-tenant SaaS for condominium administration · latorreapp.com

TypeScript · Next.js 15 · Hono on Bun · PostgreSQL · Drizzle ORM · Turborepo · pg-boss

- Manages the condominium's accounts: pro-rating of the period's expenses across units by aliquot, multi-currency billing at the official rate, allocation of each payment to the oldest outstanding debt, and reconciliation against the bank statement.
- It constitutes the condominium's book of record: an incorrect balance has direct consequences before the owners' association. Automated tests cover the financial flows and gate deployment, allowing the assessment engine to be modified on buildings in operation.
- Residents register a payment by photographing the receipt and the form completes itself from the extracted data.

Artitek Payments — multi-tenant payment gateway · artitekpayments.com

Go · Fiber · PostgreSQL · hexagonal architecture · banking APIs (BNC) · mTLS

- Allows a merchant to take payments in Venezuela without integrating directly with the bank: C2P, SIMF instant debit, point of sale, transfers, reversals and hosted checkout under a single API.
- Designed around the failure modes with financial impact: idempotency by external reference, signed webhooks retried until merchant acknowledgement, and a circuit breaker that contains bank unavailability.
- Scheduled reconciliation against the bank, where each movement settles exactly one payment, which prevents the same receipt being credited twice. Per-merchant isolation, client authentication over mTLS, and card fields redacted at the type level, which prevents them reaching logs (OWASP ASVS L2).

Artitek Extraction — LLM document extraction microservice

Go · PostgreSQL · model evaluation against a golden set

- Converts photographed invoices and receipts into typed fields with a confidence level per field. Below the threshold, the document is routed to human review before the amount is recorded: the service reports the reading, it does not resolve it.
- Evaluated against a manually labelled set that scores each model on accuracy and cost, supporting model selection with data.

EDUCATION

B.Sc. Computer Engineering — Universidad Católica Andrés Bello (UCAB), Caracas · 2025