# JOSÉ ELÍAS DÍAZ MARÍN

Full-Stack Developer · Systems and Informatics Engineering student

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## PROFILE

Systems and Informatics Engineering student at Universidad Pontificia Bolivariana who builds software end to end for real people. My main project is Numa, a math learning platform for university students, starting with Calculus I; I began it in February 2026 and took it through UPBstart DeepTech, a UPB startup program. I also built ARIA, which lets Uninorte students complete the paperwork for industry visits from their phone, and the order-management frontend for a retail client.

## EXPERIENCE

**Numa** · Founder & Developer · numa.study — Feb 2026 – Present

- Sole developer of a math learning platform for university students in Colombia, starting with Calculus I: an adaptive diagnostic that finds prerequisite gaps, spaced repetition per technique (FSRS), a timed mock exam, and teacher groups with consent-based per-student progress.
- Next.js, strict TypeScript, Supabase Postgres with Drizzle migrations and row-level security, and Zod at every API boundary. Each business rule is a named test, and CI checks types, lint and tests on every push.
- Went through UPBstart DeepTech 2026 at UPB's Business Development Center, with mentoring while I validated the product with university stakeholders and built its pricing model.

**ARIA** · Sole Developer (volunteer), Uninorte Mechanical Engineering Student Committee — Sep 2026 – Present

- Built solo for the committee's Director of Industry Connections: students fill in their details once on their phone, sign with a photo, and get the official PDFs generated from the university's Word templates.
- Deny-all row-level security and private storage on Supabase, PDF rendering with Gotenberg, sensitive data deleted 30 minutes after generation under Colombia's data protection law (Ley 1581), and end-to-end tests and secret scanning in CI.

**Koquetas** · Frontend Developer (freelance) — Mar 2026 – Sep 2026

- Built the order-management frontend for a lingerie retailer in Nuxt and Vue: the order lifecycle with packages, dispatches and partial closes, and the product catalog with stock levels and cost updates.
- Integrated it with an ASP.NET (ABP) REST backend through a single HTTP layer and unit-tested the business rules.

**Universidad Pontificia Bolivariana** · Programming Logic Tutor — Jul 2025 – Nov 2025

- Supported 30+ second-semester students in reasoning through a problem before turning it into code.

## PROJECTS

**Knowty** · Project Lead & Sole Developer · knowty.netlify.app — 2022 – 2024

- Interactive learning platform that complemented the classes of tenth graders, built in React with hand-written CSS and used by 100+ students. Led a team of 5: I wrote the code and ran the YouTube channel (scripts and planning); the others made the videos and explanations.

## SKILLS

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|---|---|
| **Programming** | TypeScript, JavaScript, C#, SQL, Java, HTML/CSS |
| **Frontend** | React, Next.js, Tailwind CSS |
| **Backend & data** | Node.js, Express, PostgreSQL, Supabase (Auth, RLS), Drizzle ORM, Zod, MongoDB |
| **Testing & tools** | Vitest, Git, GitHub Actions, Docker, Vercel, PostHog, Linux |
| **Languages** | Spanish (native) · English (B2–C1, EF SET 77/100) |
| **Certifications** | JavaScript: The Hard Parts, v3 · Master.dev (formerly Frontend Masters) · Nov 2026 |

## EDUCATION

**B.S. in Systems and Informatics Engineering** · Universidad Pontificia Bolivariana, Medellín — 2024 – 2028 (expected)

- Ver+ Tech Scholarship (vélezreyes+): merit-based, 95% of tuition, awarded for academic excellence, leadership potential and a commitment to technology with social impact. Selected from over 3,000 applicants nationwide.
- Makers Fellowship (since Feb 2026), with the first ver+ cohort: mentoring in entrepreneurship and leadership.