Rodrigo Lozano Martín

Granada, Spain | +34 650 145 172 | rodrigolozanom7@gmail.com
rodrigolozanomartin.com | linkedin.com/in/rodrigo-lozano-martin-8a831b382

Education

The University of Manchester — Manchester, UK
BSc (Hons) Computer Science with Industrial Experience — *Sep 2025 – Jun 2029*

- **Relevant modules:** Algorithms and Data Structures, Software Engineering, Programming Languages and Paradigms

Colegio Santo Tomás de Villanueva (Agustinos Recoletos) — Granada, Spain
High school (Spanish Bachillerato) – Final grade: ***9.5/10*** — *2023 – 2025*

Experience

Freelance Developer – AI Email Automation — Jul 2026 – Present
Eider Biomasa (Vertex Life S.L.), pellet stove manufacturer · Python, MS Graph API, Claude API — *Granada, Spain*

- Sole external developer: analysed each department's email, chose what to automate, then built, deployed and still maintain a 24/7 bot over the company's Microsoft 365 mailboxes.
- Across **90 mailboxes**, sorts ∼**4,000 emails** and routes 400–550 per working day with a one-line AI summary; staff corrected **8 of 478** routed voice-agent alerts in a month (<2%).
- Drafts replies only for human review and never sends to customers. Cleared one inbox from **25,828 to 2,349** emails.
- YAML rules per mailbox, 31 tests gating deploys, safe retries, daily backups, hardened Linux VPS, and emails and phone numbers masked before AI calls; runs on ∼$11/month of AI.

Freelance Developer – Transport Incident Management App — May 2026 – Present
Eider Biomasa · Next.js, TypeScript, Supabase/PostgreSQL, Vercel — *incidencias.eiderbiomasa.com*

- Single-handedly designed, built and deployed an internal PWA in production, used by **60 people** across the company, that replaces a paper and email process for logging damaged goods and claiming against carriers.
- Mobile capture with photos, product-catalogue autocomplete and an offline queue; two status flows depending on whether the damage is quoted; claim PDF with quote breakdown emailed to the carrier.
- Row Level Security, private signed-URL storage, 17 versioned SQL migrations, 67 unit tests and GitHub Actions CI that blocks broken deploys.

Software Engineering Intern — Jun 2026 – Sep 2026
Lupa · lupapets.com — *London, UK*

- Migrated the company website, **lupapets.com**, from Webflow to **Next.js 15**: English, Spanish and German versions, self-hosted fonts and accessibility fixes for a better Lighthouse score.
- Full-stack work on the product (React, TypeScript, Node.js) across invoicing, inventory, online booking and the mobile app, in close collaboration with design.

Projects

La Lista – Shopping List PWA | *Next.js, React, TypeScript, PostgreSQL* — Live app · 2026

- Personal full-stack PWA in production used by **hundreds of users**; **25k lines** of TypeScript.
- Built offline sync and ingested **31,704 products** from 9 supermarket chains (REST, GraphQL, CSV).
- Wrote a typo-tolerant Postgres search, cutting latency from **1,123 ms to 109 ms** per keystroke.

Motiv8 – Fitness Motivation Web App | *University team project (COMP10120)* — Apr 2026

- **Award for Outstanding Performance** at the COMP10120 Showcase 2026 (Masood Entrepreneurship Centre).
- Web app with streaks, gym connections, a gym locator, exercise guides and progress tracking; I connected the front end to the back end.

NEXO – IBM Z Datathon | *Hackathon, IBM & The University of Manchester* — Oct 2026

- Built in a team of three a Chrome extension that checks prompts for sensitive data on **IBM LinuxONE** before they reach AI chatbots, plus an admin dashboard.
- Rules plus hand-written TF-IDF and logistic regression in pure Python: **93.5%** context-classifier accuracy on unseen templates.

Technical Skills

Languages: TypeScript, Python, SQL
Frameworks: React, Next.js, Node.js
Databases: PostgreSQL
Spoken languages: Spanish (native), English (full professional proficiency)
Other: Full driving licence · Lived in Ireland (Aug – Dec 2022)