

# Samuel Ponce Luna

## Full Stack Developer — backend-focused

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### PROFILE

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Full Stack Developer with strong interest in both backend and modern frontend. Backend: API design, async workers, data modelling, and observability. Frontend: interfaces with Next.js, Tailwind CSS, and the latest React ecosystem tooling. I have worked on SaaS platforms with LLM-powered document analysis pipelines.

### WORK EXPERIENCE

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#### Full Stack Developer — Erasmus Internship · C-Link

Jan 2026 – May 2026

London, United Kingdom

- Designed and built the Bill of Quantities analysis module end-to-end: database schema, migrations, private REST API for Nexus (C-Link's main platform) integration, async processing pipeline with multiple execution modes, and full integration test coverage.
- Instrumented New Relic APM in production: distributed traces, performance metrics and alerts, alongside Sentry for error tracking.
- Built LLM cost and token-usage accounting per analysis type.
- Refactored the document ingestion layer: external file references, multi-document handling, and addendum (post-tender amendment) enrichment.
- Fixed a race condition in Celery workers after deployment using late acknowledgement; unified error handling across the task layer.

#### Web Developer — Internship · Astican

2025

Las Palmas de Gran Canaria, Spain

- Development and maintenance of internal web applications for a shipyard company. Delivered new features on an existing stack and resolved technical debt in legacy modules.

### PERSONAL PROJECTS

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**envshare** · Next.js · TypeScript · Redis

Spun out of secret management needs in QSAI. Web tool for securely distributing environment variables across teams: in-transit encryption, per-secret TTL, and single-use access.

**EzPass** · Node.js · Socket.io

Real-time P2P file transfer between mobile and desktop devices over WebSockets.

**RobEurope** · Node.js · Express · MySQL · React · JWT · Swagger

Full-stack platform for a European robotics competition: JWT authentication, Swagger-documented REST API, and admin dashboard.

### TECHNICAL SKILLS

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**Backend:** Python, Node.js, FastAPI, Flask, Express, Celery, REST APIs, async processing.

**Frontend:** React, Next.js 15, TypeScript, Tailwind CSS, shadcn/ui, Framer Motion, Zustand.

**Databases:** PostgreSQL, MySQL, Redis, MongoDB, SQLite, Firebase.

**DevOps & Observability:** Docker, Linux, Git, GitHub Actions, Vercel, New Relic APM, Sentry.

**AI / LLM:** Anthropic Claude API, prompt engineering, document-analysis pipelines.

## EDUCATION & LANGUAGES

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### Higher National Diploma in Web Application Development

2023 – 2026

IES El Rincón — Las Palmas de Gran Canaria · Erasmus at C-Link, London

### English B2 — Official Certificate

Official Language School (EOI)