

# JESÚS JIMÉNEZ ALCÁNTARA

jesusjimalc98@gmail.com | [linkedin.com/in/jjalcantara](https://www.linkedin.com/in/jjalcantara) | [jjalcantara.dev](https://jjalcantara.dev) | Vélez-Málaga, Spain

## PROFESSIONAL SUMMARY

---

Backend Engineer with 4+ years of experience designing and building scalable cloud-native systems using **ASP.NET Core**, **Azure**, and **Java**. Proven track record delivering production-grade APIs, authentication systems, database architecture, and payment integrations across products with 3,000+ monthly active users. Former EY Technology Consultant with enterprise-grade backend and SecDevOps background. Strong focus on **SOLID principles**, Clean Architecture, and testable, maintainable code.

## EXPERIENCE

---

### The Bubble Hub

Backend Engineer

Málaga, Spain

April 2024 – Present

- Architected cloud-native backend services using **ASP.NET Core** and **Azure Functions**, applying **SOLID principles** and Clean Architecture across two internal products (**Prodigy Padel Academy** and **Koru**), serving **3,000+ monthly active users** on iOS and Android.
- Built and shipped a full **gamification system** for Prodigy Padel (points, levels, achievements, leaderboards) and incorporated **Stripe** for payment processing, including webhook handling, idempotency, and subscription lifecycle management.
- Owned end-to-end **API design**: gathered functional requirements, defined use cases and edge cases, mapped failure scenarios, and produced complete API contracts via **OpenAPI/Swagger** consumed by mobile clients and third-party services.
- Built a layered security model: **JWT**-based stateless authentication replacing session-based mechanisms to reduce identity verification latency, **RBAC** for granular endpoint authorization, and **OAuth 2.0** (Google, Apple) for third-party identity delegation.
- Enforced **rate limiting with Redis** on authentication, payment, and enumeration-sensitive endpoints, protecting the platform against brute-force and credential-stuffing attacks.
- Defined full relational database architecture in **PostgreSQL**: entity modeling, normalization, constraint definitions (PK/FK, unique, check), query-optimized indexes, and cascading deletes for referential integrity. Combined with **CosmosDB**, **Azure Table Storage**, and **MongoDB** for non-relational workloads.
- Incorporated native in-app purchase systems for **Apple App Store** and **Google Play**: server-side receipt validation, purchase verification webhooks, and full subscription lifecycle handling.
- Built and maintained **CI/CD pipelines in Azure DevOps** automating builds, tests, and deployments across dev, staging, and production, reducing release cycle to minutes on merge to main. Applied **testing pyramid** strategy (unit → integration → E2E) to ensure robustness and fast feedback cycles.
- Drove development (70%) of DailyDermaTalks, a learning platform for pharmaceutical professionals built with **Next.js**, **PostgreSQL** (Neon), **Redis** (Upstash) for caching, **Vercel Blob** for asset storage, and **Google Workspace** integration. Pre-launch.

### Ernst & Young (EY)

Technology and Security Consultant

Málaga, Spain

April 2022 – April 2024

- Developed and maintained **ASP.NET** backend components in enterprise SecDevOps environments, applying security-by-design principles: input validation, data encryption, and least-privilege access control.
- Optimized **CI/CD workflows** using **Jenkins** and **GitHub** for an external client's engineering organization, streamlining deployment pipelines in regulated environments with strict change management requirements.
- Automated log ingestion and data parsing pipelines integrating **10+ security and network sources** (endpoint protection, antivirus, and internet traffic) into **SIEM** platforms (IBM QRadar, Splunk, Wazuh), consolidating company-wide visibility and reducing mean time to detection.

## EDUCATION

---

### University of Malaga (UMA)

Bachelor's Degree in Software Engineering

Málaga, Spain

October 2022

### International University of La Rioja (UNIR)

Master's Degree in Artificial Intelligence

La Rioja, Spain

Expected 2027

## TECHNICAL SKILLS

---

**Languages & Frameworks:** C#, ASP.NET Core, .NET, Java, Spring (intermediate), Python, JavaScript, Next.js

**Cloud & DevOps:** Azure (Functions, DevOps, App Service, Table Storage, Blob Storage, CosmosDB), Vercel, Docker, Kubernetes, Jenkins, Redis, CI/CD

**Databases:** PostgreSQL, SQL Server, MongoDB, CosmosDB, Azure Table Storage (schema design, indexing, constraints, referential integrity)

**APIs & Auth:** REST API design, Swagger/OpenAPI, JWT, OAuth 2.0, Stripe, Postman

**Testing:** Testing pyramid (unit/integration/E2E), JUnit, Selenium

**Practices:** SOLID, Clean Architecture, RBAC, Agile/Scrum, Git, GitHub, Jira, UML

**Languages:** Spanish (Native), English (B2 Upper-Intermediate)