

Adrián Martínez Fuentes

SOFTWARE ENGINEER

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About Me

Software Engineer specializing in secure solutions, graduated with a Final Degree Project graded 10/10. Proactive and problem-solving oriented, with technical experience in Python and Docker environments, focused on delivering efficiency and technical quality within innovative development teams.

Skills

Languages: Python, Java, JavaScript, Bash, SQL

Tools: Docker, Git, Linux, MongoDB, AWS

Soft Skills: Teamwork, Leadership, Adaptability

Other: Driving License

Experience

Indra ATM, ITEC & Internal Solutions

Gijón, Spain

SOFTWARE ENGINEER INTERN

February 2026 – May 2026

- Support project management through agile methodologies. Track and control milestones using tools like Jira to ensure deadline compliance.
- Facilitate interdepartmental communication between the technical team and stakeholders.
- Document technical processes and progress reports. Optimize workflow by applying performance metrics.

Education

University of Oviedo

Oviedo, Spain 2022 – 2026

- BSc in Software Engineering (English-taught) – GPA: 7.595/10
- Final Degree Project (TFG): SVAES – Automated Release Validation System – Grade: 10/10
- Elective: Computer Forensics and Auditing

Honors & Awards

Honors in Software Architecture

University of Oviedo 2025

- Achieved highest honors distinction in the Software Architecture course.
- Awarded best course project among all teams for outstanding application of software architecture principles.

Honors in ASLEPI

University of Oviedo 2026

- Matrícula de Honor in ASLEPI (Social, Legal, Ethical and Professional Aspects of Computing).

Projects

SVAES – Automated Release Validation (Final Degree Project – 10/10)

Python, FastAPI, Rust, Angular, PostgreSQL, Docker

- Quality Gate for automatic release validation in CI/CD pipelines. Hexagonal architecture, multi-tenant, RBAC, JWT auth, and 20 connectors (Jira, GitHub, Confluence, etc.).
- adrianmfuentes/SVAES

WiChat – Real-Time Quiz Platform

Software Architecture, Web Technologies

- Web application inspired by “Saber y Ganar” applying software architecture principles. Real-time multiplayer features, leaderboards, and scalability under traffic spikes.
- Arquisoft/wichat_en2b

Compiler Design

Java

- Full compiler built from scratch: lexical, syntactic, and semantic analysis, plus code generation. Optimized error management and reporting.
-  adrianmfuentes/DLP

Custom DBMS

C++

- Database management system built from scratch in C++. Focused on low-level memory management, SQL-like queries, index optimization, and data persistence.
-  adrianmfuentes/SGDB

URL Shortener API

Java, Spring Boot, MongoDB, Thymeleaf, Tailwind CSS

- URL shortening service with alphanumeric code generation, IP-based rate limiting, URL validation, and CVE mitigation. Layered architecture with CI/CD (GitHub Actions).
-  adrianmfuentes/url-shortener

Languages

Spanish: Native

English: Advanced

French: Basic

Certifications

Cambridge First Certificate in English (FCE) – B2

Cambridge Assessment English Dec. 2021

- Overall grade: 169 (Grade C). Reading 176, Use of English 172, Speaking 168, Listening 166, Writing 164. Oviedo, Spain. Certificate No. B7416600.

Plan an Azure Kubernetes Service Deployment

Microsoft 2026

- Microsoft Learn achievement badge on planning AKS deployments, covering cluster sizing, networking, and storage design decisions. Credential link.

Google Cloud Data Analytics Certificate

Google Cloud 2026

- Certificate demonstrating proficiency in data analytics on Google Cloud, including SQL-based data warehousing and querying with BigQuery, data visualization with Looker Studio, and building analytics pipelines on GCP.

Serverless & Microservices on AWS

University of Oviedo – NextDigital 2026

- University microcredential on designing and deploying serverless architectures with AWS Lambda, API Gateway, DynamoDB, and event-driven microservices patterns. Hands-on labs covering scalability and cost optimization.

Web Development Course

University of Oviedo – TalentUO 2024

- 150-hour full-stack web development program covering HTML, CSS, JavaScript, frontend frameworks, backend APIs, databases, and deployment of production-ready web applications.

AI and Productivity

Google 2024

- 8-hour course on leveraging AI tools for workplace productivity. Prompt engineering, automation of repetitive tasks, and integration of AI assistants into daily workflows.

National Security Plan Course

ENS 2025

- 20-hour course on the Spanish National Security Framework (ENS). Risk analysis methodologies, security controls for public administration systems, and regulatory compliance requirements.