

Manuel Almagro Rivas

INTEGRATION DEVELOPER - PHYSICIST

Objectives

I currently work as an integration consultant with tools from the SAP ecosystem. I would like to continue developing my career in the technical realm and expand the set of tools and technologies I can apply to solve problems. My long-term goal is to become an integration architect. I am also interested in data science and complex process automation.

Experience

2023 - present

SAP Integration Consultant

Avvale Spain

Main focus:

- Automation of complex functional processes.
- Development of integrations between SAP and non-SAP solutions, ensuring end-to-end communication.
- Migration of custom and standard processes from legacy systems to cloud-based solutions.
- Aligning existing systems with best practices.
- Implementation of Cloud ALM and monitoring processes.
- Development of integrations tailored to business requirements.

Education

2016 - 2023

Bachelor's Degree in Physics

University of Granada

Interest in computational physics, simulation, and data analysis. Bachelor's thesis: "*Photon absorption in a periodic lattice of quantum dots.*"

2013 - 2016

Bachelor's Degree in Chemistry

University of Jaén

Awarded for highest entrance GPA in the province.

Transferred to a different degree program in 2016.

Technical skills

SAP Ecosystem

- Deep knowledge of SAP Integration Suite: Cloud Integration, API Manager.
- Use of adjacent tools: SAP Cloud ALM, S/4HANA Cloud.

General integration knowledge

- Message mapping (XML via XSD/WSDL, JSON...)
- Authentication methods (CSRF, JWT, OAuth, API Key...)
- API testing through Postman/Bruno/SoapUI...
- Best practices, resilient and maintainable integration patterns

APIs

- REST & SOAP API Development.
- Extensive OData (V2, V4) API experience
- Basic knowledge of GraphQL APIs

		<ul style="list-style-type: none"> - SAP Environment tools: BAPIs, CDS views, CBOs
	Scripting & programming	<ul style="list-style-type: none"> - R & Shiny - Groovy, Java, XSLT - Python, Mathematica - Bash (macOS, Linux)
	Security & cryptography	<ul style="list-style-type: none"> - Knowledge of public-key cryptography
Soft skills	Efficiency and Results-Oriented	I have been the lead integrator in projects involving the automation of complex functional processes, achieving high customer satisfaction.
	Collaboration	Able to foster a collaborative environment and get along well with colleagues. Skilled at setting shared goals with cross-functional teams.
	Advisory Skills	I am good at translating technical requirements and problems into accessible language for functional team members and client-facing roles.
	Training	I have delivered integration training (theory and exercises) to both clients and colleagues.
Languages	Spanish	Native
	English	C2 - Certificate of Proficiency in English (CPE) University of Cambridge Grade B: 219/230 November 2018.
	Russian	B1 – Certificate in Russian Language and Culture University of Granada June 2021

(Last update: 9th July 2025)