

Manuel Almagro Rivas

SAP INTEGRATION CONSULTANT · BTP · API · EVENT-DRIVEN

PROFILE

Consultant specialised in SAP Integration Suite, BTP and S/4HANA Cloud. Delivered core integrations running in production with near-zero downtime since go-live. Working towards an architect role.

EDUCATION

University of Granada

2016 – 2023

Bachelor's degree in Physics, Granada, Spain

- Completed while working part-time. Interest in computational physics and data analysis.
Bachelor's thesis: "Photon absorption in a periodic lattice of quantum dots."

University of Jaén

2013 – 2016

Bachelor's degree in Chemistry, Jaén, Spain

- Awarded for highest university entrance score in the province. Transferred to Physics degree in 2016.

EXPERIENCE

Avvale Spain

Dec 2023 – Present

SAP Integration Consultancy

Senior Integration Consultant

Dec 2025 – Present

- Lead end-to-end integration design and delivery; core integrations have run stably in production since go-live, with no critical incidents.
- Integration architect for a large Spanish enterprise client, auditing third-party integration designs and decisions, reviewing existing landscapes, and aligning them with SAP standards.
- Designed high-volume integration scenarios under client platform constraints (e.g. basic-tier licensing without native queuing), including custom batching strategies running in production since go-live.
- Lead integration resource during critical go-lives, owning resolution of in-flight production incidents including data-loss scenarios and post-cutover changes resolved during the incident itself.
- Technical reference for the team, mentoring colleagues on delivery practice and acting as the link between client functional teams and external providers.
- Authored integration standards covering design, operations, and security practices, establishing common patterns across delivery teams.

Integration Consultant

Dec 2024 – Dec 2025

- Worked across projects in finance, biomedical, logistics, and energy sectors. Migrated legacy on-premise integration processes to SAP BTP cloud solutions. Implemented standard and custom integrations covering REST, SOAP, and OData APIs, with frequent use of Groovy and Java for scripting and automation. Took on client-facing responsibilities including technical documentation, effort estimation, and incident resolution within SLAs.

- Started in SAP integration monitoring and support, progressing to supervised delivery of standard and custom integrations. Industries included biomedical, education, and logistics.

SKILLS

SAP Ecosystem SAP Integration Suite (Cloud Integration, API Manager, Event Mesh, Log Viewer) and SAP Master Data Integration; SAP BTP (incl. Neo and Cloud Foundry runtimes), Cloud ALM for monitorization & health checks; installation and upkeeping of SAP Cloud Connector; good knowledge of S/4HANA Cloud (Public Edition), some ECC, SuccessFactors, Cloud for Customer, Customer Data Cloud, Ariba, Concur, Emarsys. SAP-specific tooling: CDS views, CBOs.

Integration & APIs Message mapping (XML, JSON, IDOC, EDI, CSV...); JMS and DataStore for async handling of messages; JDBC for database integration; REST & SOAP API development; extensive OData (V2, V4) experience; some XSLT exposure; GraphQL knowledge; MCP (Model Context Protocol) for LLM integration. Authentication: Basic, OAuth 2.0, client certificate-based, JWT, API Key, CSRF...

Scripting & Programming Groovy and Java for integration development; Bash scripting in UNIX-like environments (macOS, Linux). Also used in the past: Python, R, C++, Fortran, Mathematica, Lua.

Platform & Infrastructure Deployment to SAP BTP Cloud Foundry, including Docker containers with auto-scaling; Docker for container creation, deployment, and management; DNS, domains, reverse proxies and hosting services; basic Linux system administration; FTP/SFTP service maintenance; SSL/TLS certificate issuance, renewal and automation; operational database management; public key cryptography (PKI): certificates, keystores, hash algorithms, sign requests, trust chains...

Databases Microsoft SQL Server, HANA, MariaDB; SQL for integration data flows and operational queries; JDBC connectivity from integration runtimes; on-premise and cloud database connectivity.

API Testing & Validation Schema-driven testing across REST (OpenAPI/Swagger), SOAP (WSDL), OData (metadata) and GraphQL (introspection); functional, negative, edge-case, and regression testing; parameterised test collections with environment management and chained authentication flows for multi-step API testing; development against stubbed/mocked endpoints and vendor sandboxes when target APIs are unavailable. Tooling: Postman, Bruno, SoapUI.

Performance & Debugging Response-time and stress testing; validation of timeout/retry behaviour, rate-limit handling, payload size limits, and pagination; cross-system debugging using header inspection, server-side log analysis and correlation IDs for distributed tracing.

LANGUAGES

| | | |
|----------------|---|---------------|
| Spanish | | Native |
| English | C2 — Certificate of Proficiency in English (CPE), University of Cambridge | November 2018 |
| | Grade B: 219/230 | |
| Russian | B1 — Certificate in Russian Language and Culture, University of Granada | June 2021 |

CERTIFICATIONS

| | |
|--|------------|
| SAP Certified Associate — Integration Developer | July 2025 |
| Solace Certified Event Driven Integration — SAP | April 2026 |