

Juan Manuel Benitez Dominguez

Senior Solutions Architect – Transformation, Cloud, Data & Integration

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Open to Contract (Umbrella) & Permanent Engagements | Available Immediately

Profile

Senior Solutions Architect with 12+ years across software engineering and architecture, and 8+ years designing and governing enterprise-scale platforms across financial services and automotive industries. Track record spans cloud migration, digital transformation, data platforms, systems integration, mobile, and security-critical environments – owning architecture end-to-end from business ambiguity through to delivered, scalable systems.

Operates as the technical authority across multi-team, multi-supplier ecosystems: setting architectural direction, running governance and RFP processes, and translating ambiguous or conflicting requirements into designs that engineering teams can actually build. Comfortable moving between boardroom trade-off conversations and detailed technical design discussions.

Experienced operating as an independent contractor as well as in permanent roles, including a contract engagement at Motability Operations that was converted to a permanent position after over a year of delivery – a direct client endorsement of the value delivered.

Domains: Digital Transformation | Cloud Migration | Systems Integration | Data Platforms | Mobile | Security & Compliance | Financial Services | Automotive | Contract & Consultancy Delivery

Key Achievements

- Reduced hire car delivery time from days to under 2 hours by redesigning supplier integration flows for a fleet of 7,000+ vehicles supplied at any given time.
- Re-architected an eCommerce platform supporting 5,000+ dealer logins and 200k+ vehicle sales per year (multi-billion £ transaction volume), enabling near real-time purchasing and significantly improving dealer experience.
- Delivered multi-source data integration across 6 third-party suppliers covering 900k+ vehicles, improving operational visibility and reducing vehicle off-road time.
- Architected a legacy-to-modern platform transformation for a UK financial services firm (MuleSoft/Outsystems), spanning core banking integration, microservices, and mobile onboarding.

Core Expertise

Transformation & Platform Strategy: Legacy modernisation, platform re-architecture, technology roadmap definition, build-vs-buy and supplier strategy.

Integration & Applications: API-first and event-driven design, microservices, distributed systems, B2B and third-party integration, messaging (Kafka).

Cloud Architecture: AWS solution design and governance – serverless and API-led patterns, event-driven data pipelines, secure integration architectures. (Architecture-level ownership; deep hands-on cloud engineering practised through personal infrastructure work – see below.)

Data: Data platform architecture, data contracts, validation frameworks, multi-source data models, analytics enablement.

Security & Compliance: PCI DSS-constrained system design, GDPR and regulatory delivery, security risk assessment within architecture reviews.

Architecture Practice: TOGAF, architecture governance, technical risk management, RFP and supplier evaluation, stakeholder and cross-team leadership.

Employment History

Motability Operations Ltd

2021–2026

Solutions Architect

Edinburgh, Scotland

Contract, Jan 2021 – May 2022; converted to Permanent, May 2022 – Jun 2026

- Led integration architecture for B2B platforms (Spring Boot microservices on AWS EC2/OpenShift, React frontends), onboarding a new hire car supplier of 7,000+ vehicles and reducing delivery times from days to under 2 hours.
- Led the re-architecture of a large-scale eCommerce platform supporting 5,000+ dealer logins and 200k+ vehicle sales annually (multi-billion £ transaction volume), introducing GraphQL and REST APIs to enable near real-time vehicle purchasing.
- Designed AWS-based integration capabilities, including API Gateway and Lambda patterns for secure inbound APIs, S3/SFTP solutions for large-scale data exchange, Kafka event streaming, and data ingestion pipelines into Snowflake and Oracle.
- Defined identity and access architecture using Keycloak and PingFederate, and advised on early-stage Salesforce and Contentful integration as part of platform modernisation.

- Owned the integration architecture to bring connected vehicle data in-house directly from the manufacturer (odometer readings, service history, parts failures and diagnostic error codes), onboarding 90k+ vehicles to date and enabling downstream processes to act on near real-time vehicle condition data.
- Contributed to a transformation programme modernising vehicle disposal systems handling over 200k vehicles annually, improving scalability and security.
- Led architecture for refurbishment centre redesign, defining system integration and automation to increase processing capacity from 20k to 60k vehicles per year.
- Supported development of a multi-source data product integrating 6 third-party suppliers covering 900k+ vehicles, defining data contracts, validation rules, and business logic for interpreting external data.
- Owned architecture across 6 B2B product teams, guiding design decisions and ensuring alignment with standards and long-term strategy, including advising on supplier selection through RFP processes.

Principality Building Society

2018–2020

Solutions Architect (Contract)

Cardiff, Wales

- Designed architecture for a digital transformation programme replacing legacy systems with a modern stack using MuleSoft and Outsystems.
- Defined data models, microservices architecture, and API interactions across core banking systems.
- Designed mobile enrolment and authentication journeys using Okta and Gemalto, improving customer onboarding experience.
- Delivered regulatory change initiatives (GDPR, data retention), ensuring compliance within strict timelines.
- Identified and mitigated technical risks through targeted Proofs of Concept.

IBM Client Innovation Centre UK

2016–2018

Software Engineer / Technical Designer

Swindon, England

- Designed and delivered integration components for banking platforms used by Nationwide Building Society.
- Built ASP.NET/C# services integrating with card and payment platforms (TSYS, VISA) under PCI DSS constraints.
- Produced technical designs and presented them at architecture review boards.
- Led code reviews and supported development teams in delivering maintainable solutions.

Milao Language Inc

2013–2016

Software Developer

Sevilla, Spain

- Developed components of an NLP-based dialogue engine, including semantic models and grammar rules, with Java and Swift/iOS mobile client integration.

Education

MSc Computer Science (Ingeniería Informática)

2014

Universidad de Sevilla, Spain

Certifications

- AWS Certified Solutions Architect, 2023
- TOGAF, 2020

Technical Depth

Maintains hands-on technical practice alongside architecture work through personal projects: self-hosted Kubernetes clusters, home network and security engineering (Cloudflare Tunnel, bot protection), and service automation.

Builds full-stack applications independently (Docker, FastAPI/Node.js, React, PostgreSQL) – including a personal investment-tracking platform using WebSockets for near real-time market data and Python for historical performance analysis. Has integrated the Claude API with custom tools to feed portfolio, market, and news data for automated daily investment reviews, delivered via Telegram – practical, self-directed exposure to applied LLM tooling.

Awards

Recognised internally at Motability Operations for technical insight and delivery support across B2B integration and architecture initiatives.

Nationwide PRIDE Awards for contributions to mobile and digital banking platform delivery.

IBM Best of Blue and Team Spirit Awards for technical excellence, innovation, and cross-team collaboration.