

JUAN CANO-SELLES

Spanish National (EU/EFTA) | Automatic Work Authorization | Relocating to Switzerland

English: C2 | German: B2 (Professional working proficiency) | Immediate Availability

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EXECUTIVE PROFILE

Technical Program Manager: Systems & Automotive Lifecycle Strategy

10 years of experience in automotive industrialization and digital transformation, bridging deep hardware engineering with global cloud operations. Specialized in the end-to-end lifecycle of connected systems, from embedded R&D to large-scale series production (SOP).

- **Global Lifecycle Management:** Orchestrated the transition of mission-critical components from development into global operations, managing distributed teams across Germany, India, and China to optimize delivery costs.
- **Strategic Industrialization:** Synchronized hardware/software milestones with automotive series production (SOP), ensuring 100% compliance with safety-critical standards and Tier-1 supplier manufacturing schedules.
- **Technical Orchestration:** Architected high-availability systems (99.9% uptime) for 4M+ vehicles using a deep technical foundation in MSc Telecommunications, C/C++ firmware, and AWS/Kafka cloud infrastructure.

WORK EXPERIENCE

CARIAD SE | Technical Program Manager (Senior Product Owner)

Wolfsburg, Germany | Nov 2020 – Aug 2025

- Directed the Strategic Roadmap for the Service Activation Cluster, overseeing the delivery of digital services for a 4M+ vehicle fleet and managing the lifecycle transition from R&D to global operations.
- Engineered a global offshoring strategy to reduce operational overhead; managed five DevOps teams, including the successful transfer of maintenance and support modules to offshore hubs in India and China.
- Architected the shift to event-driven architectures (Kafka, SNS/SQS), eliminating system bottlenecks to enable asynchronous scaling across international markets (incl. China RTM and North American sovereignty).
- Reduced cloud unit-costs by 30% through architectural redesign and performance-based resource allocation, balancing aggressive cost-saving targets with 99.9% availability requirements.
- Enforced global regulatory and safety compliance, ensuring technical infrastructure alignment with EU eCall and international data privacy standards.

SEAT S.A. | Technical Project Lead (Connectivity Systems)

Barcelona, Spain | Mar 2019 – Nov 2020

- Synchronized hardware/software release cycles for connectivity modules (OCU2 to OCU4), ensuring 100% manufacturing readiness for **Series Production (SOP)** milestones across three vehicle lines.
- Managed the technical supply chain interface with Tier-1 suppliers (LG), directing the delivery of hardware revisions and development samples for multi-site firmware validation.
- Validated compliance for safety-critical EU eCall standards, leading high-stakes crash tests and homologation preparations to ensure data survivability and hardware integrity.
- Resolved cross-functional integration blockers at the Technical Development Centre (CTS) by engineering diagnostic protocols and CAN-message mocking scripts for validation teams.

Akkodis | Systems Integration Engineer

Barcelona, Spain | Oct 2015 – Mar 2019

- Developed application logic and firmware for NFC-based IoT systems, managing power optimization and real-time constraints for resource-limited battery devices.
- Engineered custom Linux drivers and hardware emulators (Python/Qt) to accelerate cross-site protocol validation and reduce hardware-in-the-loop (HiL) testing cycles.
- Consulted for SEAT S.A., leading release validation and HiL testing for series-production connectivity units.

LANGUAGES & CERTIFICATIONS

- **Languages:** Spanish (Native), English (C2), German (B2 - Professional working proficiency)

- **Certifications:** PMP (2025), SAFe PO/PM (2021)

EDUCATION

Master of Science in Telecommunications Engineering

Miguel Hernández University, Spain | 2015