



Ignacio Senent Capote

Function Owner · Technical Coordination

Automotive software · Requirements & System Validation

Seville, Spain

ignaciosenent@gmail.com

LinkedIn

Profile

Function Owner and System Validation Engineer with 7+ years in software engineering and validation, including 6+ years in automotive.

Coordinated feature maturity across 8 BMW functions and 10+ Function Owners. Reviewed Volkswagen Group requirements for SEAT and coordinated two testers. Combines technical coordination with fault investigation and Python reporting automation. MSc in Industrial Engineering; ISTQB CTFL.

7+

years of experience, 6+ in automotive

8

BMW functions coordinated

10+

Function Owners coordinated

5

car brands: BMW, SEAT, Volkswagen, Audi, Škoda

Experience

Function Owner / System Validation

Jul 2023 - Jan 2026

Jember Engineering Solutions S.L. · BMW · WAVE / ICON

- Created shared tracking spaces for 8 System Functions and 10+ Function Owners in ICON, the next generation of WAVE; consolidated testing results and built maturity metrics against the planned timeline.
- Owned Stability & Performance for WAVE, BMW's vehicle connectivity unit (Jan 2025-Jan 2026), monitoring resets, CPU load, modem boot-up times and application crashes.
- Analysed DLT traces to produce statistics and compare modem boot-up times between software versions; investigated diagnostic faults and validated fixes with development teams.
- Reviewed and refined Codebeamer requirements for reuse across product generations.
- Developed Python scripts to extract Jira maturity data and generate Excel and Confluence reports, introducing reporting where it was missing and automating manual preparation.

Function Owner, Personalization (PSO)

Jan 2021 - Jul 2023

Bertrandt AG · SEAT · Volkswagen Group

- Reviewed Volkswagen Group requirements and provided SEAT's functional approval.
- Assessed proposed development solutions against functional requirements.
- Coordinated two testers, tracked defects and feature maturity, and aligned development, validation and stakeholder teams.
- Managed requirements, defect tracking and traceability in Jira/XRay, DOORS and Confluence.
- Collaborated with SEAT, Volkswagen, Audi and Škoda stakeholders.

Experience	QA Tester / Validation Engineer May 2019 - Dec 2020 Bertrandt AG · SEAT infotainment · Volkswagen Group / MOD - Validated the SEAT infotainment Car function: CAN signals, HMI behaviour, CANoe simulations and forced signals, using vehicles and interconnected hardware test benches. - Tested Heckradar (rear-radar) functions through test drives, fault investigation and vehicle preparation. Also contributed to infotainment Audio Management and Bluetooth validation. - Subsequently tested IAA identification, login and authentication functions in the MOD project, before becoming Function Owner for Personalization (PSO).	
	Software Engineer Feb 2018 - May 2019 Sopra Steria · Orange France · FFH - Implemented and tested COBOL changes from the functional analyst's pseudocode for Orange France's FFH home-line billing project, working directly with the analyst. - Worked in French every day in an international team: meetings, calls, emails and technical documentation.	
Skills	Function ownership & requirements Function Ownership · Technical coordination · Requirements review · Feature maturity · Traceability · Codebeamer / DOORS	Validation & testing System / regression testing · CAN bus & CANoe · GNSS / MQTT · Jira / XRay · Postman · Python / Pytest
	Diagnostics & fault investigation DLT log analysis · DTC analysis · UDS diagnostics · ODIS / iDEX · Wireshark · Fix validation	Automation & tools Python · SQL · Git · Excel / Confluence reporting · Agile / Scrum · Linux fundamentals
Education	MSc, Industrial Engineering Universidad Carlos III de Madrid · 2016-2018	
	International Engineering Studies Programme Université Libre de Bruxelles (ULB) · 2015-2016	
	BSc, Industrial Engineering (Electronics) Universidad de Sevilla · 2011-2015	
Certification	ISTQB® Certified Tester Foundation Level (CTFL) March 2024	
Languages	Spanish: Native · English: C1 · Professional · French: Professional · German: B1	
Target roles	Function / Feature Owner · Technical Coordination · Requirements Engineering · Senior System Validation (V&V)	
Reference	José Antonio Molina · Team Lead, Connectivity Area Jember Engineering Solutions S.L. · Full letter available on request.	