

# Martyn Roberts-Gray

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## Professional Summary

I am a senior systems/test engineer and electro-mechanical engineering specialist with over 20 years of experience across the automotive, motorsport, marine and industrial/commercial vehicle industries. I have a proven ability in electro-mechanical engineering, hardware & software design, BoM management, requirements, and end-to-end testing across various sectors. I am proud of my uncompromising professional standards and have a proven ability to manage diverse projects and drive company objectives. I have a strong aptitude for learning and hold a large transferable skill set, maintaining engineering principals.

## Key Technical Skills

- Diagnostics & Testing: CANalyzer | DLTviewer | Postman | OEM diagnostic tools | root-cause analysis | system / functional testing | validation planning.
- O/S's and environments: Windows | Linux | Android
- Systems Engineering: Lifecycle management | requirements definition | integration | V&V | Compliance, configuration control.
- Tools & Platforms: JIRA | Confluence | Teamcenter | MS Project | MS 365 | Azure Cloud.
- Development & Collaboration: Embedded / ECU systems | connectivity | supplier coordination | documentation | stakeholder management.

## Experience

### **Polestar Automotive - Senior Systems Engineer (Telematics)**

*Apr 2022 - Present*

- Owned and delivered the Telematics ECU, overseeing the end-to-end implementation and testing of telematic functions with interfacing ECU's and other vehicle subsystems.
- Developed and executed test cases for telematic functions against requirements, specification and full vehicle integration.
- Authored DFMEA materials including interface matrices, boundary diagrams and risk analysis.
- Defined and created the ECU configuration, diagnostic specification, and technical manufacturing requirements.
- Managed a team of 3 engineers to define requirements, manage bugs and resolve issues with the relevant stakeholders.
- Captured and analysed logs using ADB and DLTviewer for monitoring, faults and failures.
- Issued fault reports following 8D using JIRA for defect management.
- Reported root cause analysis of issues with all stakeholders and cross-functional teams.
- Function owner for the legal eCall system, responsible for the feature delivery, testing, successful Type Approval and certification in compliance with EU regulations.
- Supported cross-functional design, calibration, verification, and validation activities for critical remote and cloud services.
- Authored and managed timing plans for telematics features and attribute delivery.
- Managed hardware and software BoM's to ensure on-time release and delivery.
- Directed eSim market compatibility and localisation efforts for global vehicle deployment.
- Led component packaging, bracket design activities, alongside detailed EDS audit and analysis.
- Led technical discussions with key Tier-1 suppliers and coordinated internal cross-functional teams and external partners to resolve complex system integration issues.

## **Nissan Technical Centre Europe – Test Engineer (Telematics)**

*May 2017 – Apr 2022*

- Performed field testing across Europe, Russia, Ukraine and Turkey
- Managed integration and release testing for telematics ECU software supporting Europe-wide and Russian connected service operations.
- Led multiple UX benchmarking activities for telematics features.
- Supported UX and feature validation by aligning in-vehicle functionality with customer-facing app behaviour, collaborating with marketability and customer satisfaction teams.
- Led end-to-end testing and validation for the introduction of payments for connected service subscriptions.
- Led L2.5 service delivery and support management for connected vehicle services, using Postman APIs and Azure Cloud to diagnose and resolve user account issues, vehicle to app pairing failures, remote command errors, and sporadic app or vehicle behaviour.
- Served as Telematics Project Lead for four major vehicle launches, driving successful deployment of connected services in new markets including Ukraine and Turkey.
- Set up and delivered autonomous remote service testing to quantify and improve remote command reliability.
- Achieved remote locking/unlocking command success from 75% to 96% with a roadmap to >99%.
- Resolved a major false activation of the remote vehicle immobilisation service affecting Qashqai vehicles across Europe and Russia prior to vehicle launch.
- Delivered European eCall system compliance and certification, securing regulatory approval across relevant Nissan vehicle programs.
- Performed advanced system diagnostics and user-impact analysis, identifying and resolving complex cross-platform issues to improve service stability.

### **Earlier Career**

- Automotive: SBD Automotive (Specialist) | Nissan NTCE (Electrical technician) | YASA motors (Production engineer).
- Motorsport: Red Bull Racing (Wind tunnel technician – F1 & NASCAR) | Prodrive (Electrical technician) | MSD/Hyundai WRC (Electrical technician) | JS Motorsports BTCC (Race mechanic).
- Industrial & Marine: E.P. Barrus (Dyno and mechanical build technician).

### **Education & Qualifications**

- Advanced Modern Apprenticeship - Motorsport Engineering  
NVQ L2/3 Engineering Manufacture & Production | Advanced VCE (Engineering Materials, CAD, Design Development, Power Transmission).
- Secondary Education:  
GCSE's in Maths, Science, English, Technology, French.