Robert Brandon Pasztor Segovia

Embedded Software Engineer | Automotive Software Engineer

Guadalajara, Jalisco, Mexico | Open to remote work and relocation
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PROFESSIONAL SUMMARY

Automotive software professional with experience in requirements engineering, software verification and validation, CAN communication analysis, AUTOSAR environments and Automotive SPICE (ASPICE) processes. Translate customer and system requirements into testable software requirements, maintain end-to-end traceability and collaborate across system, software and test teams to support reliable automotive ECU software.

TECHNICAL SKILLS

Programming and embedded: Embedded C, C, Python, CAPL, STM32, ARM Cortex-M, RTOS, FreeRTOS
Automotive: Classic AUTOSAR development, AUTOSAR architecture, CAN, LIN, UDS, BCM and gateway ECUs
Processes and testing: Automotive SPICE, V-Model, requirements engineering, traceability, functional modeling, unit and integration testing, test automation, defect analysis
Tools: Vector CANoe, CANape, VectorCAST, DOORS, Jira, Git

PROFESSIONAL EXPERIENCE

AUMOVIO | R&D Testing Development Engineer

Guadalajara, Mexico | September 2025 - Present

- Translate customer and system requirements into testable software requirements and functional models for automotive embedded systems.
- Maintain traceability across requirements, implementation and verification artifacts to support change assessment and ASPICE processes.
- Conduct requirements reviews, impact analysis and defect investigation with system, software and test teams.

Continental | R&D Testing Development Engineer

Guadalajara, Mexico | August 2023 - September 2025

- Led test-case design and activity planning; trained new engineers joining the team.
- Designed, executed and reported requirements-based tests for body control modules (BCMs), supporting software verification and validation.
- Analyzed CAN, LIN and UDS communication with Vector CANoe and CANape; used DOORS and Jira for requirements and issue tracking.

Continental | R&D Testing Development Engineer - Intermediate

Guadalajara, Mexico | May 2021 - August 2023

- Analyzed requirements and designed, executed and reported BCM tests using CAN, LIN, UDS, CANoe, CANape, DOORS and Jira.

PROFESSIONAL EXPERIENCE (CONTINUED)

Bosch Mexico | Embedded Software Test Engineer
Guadalajara, Mexico | January 2021 - May 2021

- Designed, automated and executed gateway ECU test content using Vector CANoe and VectorCAST against defined test scenarios.
- Supported defect classification and resolution, technical reviews of requirements and software architecture, and formal delivery of test artifacts.

Dextra Technologies | Embedded Test Engineer
Guadalajara, Mexico | November 2019 - December 2020

- Analyzed requirements and designed, executed and reported BCM test cases for cross-functional software verification.
- Used CAN, LIN, Vector CANoe, CANape and DOORS to support communication analysis and requirements-based testing.

EDUCATION

Universidad de Guadalajara
Engineering in Communications and Electronics | 2014 - 2020
Professional license: 13687257

CERTIFICATIONS AND TRAINING

- Automotive SPICE® Software Processes (SWE.1–SWE.6, PAM 4.0) - Udemy, September 2025
- Autosar Architecture - Udemy, September 2025
- Introduction to AutoSAR - EDUCBA, October 2025
- Introducción al Testing de Software - Udemy, December 2019
- C esencial - LinkedIn, September 2020
- Learn Python 3 from scratch to become a developer in demand - Udemy, April 2020
- Análisis y generación de información con Inteligencia Artificial - UNAM, November 2026; credential ID 100737

LANGUAGES

Spanish: native or bilingual | English: professional working proficiency