

BUSINESS EXPERIENCE

HELLA GmbH & Co. KGaA

Product Safety Senior Assessor & Auditor

Since Aug 16

from Dec 18

Report to Functional Safety Engineering Director.

- Execution of System Product Safety Audits and Assessments in safety relevant projects (DAS, BMS and BCM's) according to ISO26262, including confirmation reviews for ASIL (up to D) related projects.
- Expert from Safety Office for test domain, providing WW support and coaching for all tests topics.
- Part of expert judgment team for Safety Analysis (FMEA, FTA and DFA).
- DFA expert in charge of education, support, and coaching of team members.
- Responsible for Distributed Development and Supplier Management per ISO26262 overseeing supplier selection for System, Software, Hardware and Test domains.
- Ensuring compliance of ASIC development documentation required as per ISO26262 through evaluation of supplier documentation (FIT rate, Failures Mode and Distribution) back to internal item development (achievement of target Hardware metrics).

Senior Technical Head Coach - Embedded Electronic System

from Aug 16 / Nov 18

Report to Engineering Group Manager.

- Developing Methodologies for Embedded System Electronic Product Development, including review of Process for Platform Electronic Product Development Process.
- Head Coach Project Management of Embedded System & Software Development Team in charge to build basic Embedded Software platform for several product lines.
- Coaching Electronic Power Steering System projects (ISO26262 ASIL D compliance).
- Experienced Project Management coaching and training HW and SW Project Managers.
- Sustainable implementation of standardized Development processes focusing on Project Management as well Embedded Electronic System Development Methodology.
- Optimization of methodologies for customer Product Family Engineering.
- Coaching international development teams in Platform projects in terms of efficient, sustainable and process true creation/improvement of process standards.
- Support the configuration, change and problem management domain via interaction with Project Management best practices from PMI, ensuring the know how transfer between projects.

CFJ Consulting

Jan 13/July16

Independent Consultant helping partners to improve Process, Business and Projects performance.

KPIT Technologies – Automotive Business Unit

Jan 16/July16

Senior Automotive Business Manager - Engineering Consultant

Report to CEO LATAM.

- Developing business opportunities on Brazilian Automotive market:
 - Powertrain/Hybridization.
 - Infotainment/Connectivity/Mobility.
- Hiring, development and motivating people to build a Powertrain Software Team and a Connectivity Validation Team locally to support OEM's.

Fiat Chrysler Automobiles - FCA

March 15 / Dec 15

Engineering Product Coordinator – System & Software Development

Report to Engineering Group Manager.

- Coordinate System/Software Development and System Integration teams to ensure project requirements in development and innovations for scope, performance, cost, quality, and timing, through management activities of System suppliers like Bosch, ZF, AISIN for ECU Projects with ASIL D safety level based on ISO26262 1st Edition.
- Hiring, development and motivation of people to ensure deliveries and allow the individual and collective growth of the group.
- Ensure implementation of the Controls Global strategy on the creation of a Center of Excellence for Embedded Flex Fuel Control System using procedures, workflows, and toolchain / equipment according to worldwide procedures.

- Technical Responsibility Latin America SOW document (Statement of Work) defining product requirements and subsequent evaluation and issuance of the Scorecard, where there is the definition of suppliers for purchases.

FEV GmbH Germany

May 14 / Feb 15

Software Engineering Product Management

Report to Engineering Group Manager.

- Responsible for Embedded Software design management of Transmission and/or Engine Management System, making interface among others Design Centers and customers.
- Responsible for the technical and commercial success of an overall Software Development Project.
- Coordination of supplier in charge of ALL software validation activities
- Management of the System (ISO26262 compliance) and Software Requirements (Autosar compliance) assuring that the aspects related to Quality, Time, Cost and Delivery of the several components like ECU's, sensors and actuators is achieved in agreement to the budget
- Acting on Business Development Process being in charge to development new customer in China, supporting sales team.
- Supporting Continuous Improvement on Software Development Process, overseeing audit of Software Development teams.

JAC Motors Brazil & China

Jan 13 / Apr 14

Engineering Product Management

Report to Engineering Director Vehicle Line.

- Owner of Vehicle System and Software requirements management.
- Expert Flex Fuel Calibration, supporting basic engine design adaptation to meet ethanol requirements for two engines 1.5L 4 cylinders 8V and 1.0L 3 cylinders 6V ethanol/gasoline.
- Skilled in Brazilian regulation - INOVAR-AUTO being in charge to make JAC Motors Brazil to fulfill all requirements.
- Responsible for Embedded System design requirements to make the link between JAC Motors Brazil and JAC Motors China.
- Ensure the integration, homologation, and the adaptation of the Embedded System electric/electronic components for all vehicles into the Brazilian market granting that the local requirements will be filled by JAC China R&D team.

Valeo Engine Management Systems

Feb 09 / Jan 13

R & D Director (Dec 10 – Jan 13)

Report to CEO LATAM and Engineering Group Line Director.

- Manager of the research and development activities for Power train business (budget) in South America split in two mains product group:
 - Powertrain ECU Embedded System - ISO26262 ASIL D, Engine Calibration, Software and Control Laws.
 - Product Engineering Electromechanical Components – sensors and actuators (up to ASIL D).
- Responsible of calibration development since engine dynamometer until release, passing by complete vehicle calibration development, managing a large team of calibration engineers.
- Leader of South America Product Technology plan feeding the local requirements to Corporate Headquarter strategic plan.
- System Dependability (Valeo FMEA approach) moderator for Powertrain System and Software.
- Co-author of Valeo Flex Fuel Ethanol Sensor less algorithm using Simulink Math Lab libraries.
- Deep knowledge in Powertrain algorithms like Torque Control, Fuel Control, Spark Control, Idle Speed Control, Air Control, and associated diagnosis.

R&D and Project Manager (Feb 09 – Dec 10)

- Management of the Calibration, System and Software projects assuring that the aspects related to Quality, Time, Cost and Delivery of the several components like ECU's, sensors (Pressure and Temperature) and actuators (Electronic Throttle Body, Fuel Injector, Ignition Coil) is achieved in agreement to the budget.
- Flawless launch of three Vehicles where the complete Powertrain oversaw my design team.

PSA Peugeot Citroën France & Brazil

2007 / 2009

Product Coordinator - System & Software Electronic

Report to LATAM Engineering Group Manager.

- Responsible for Embedded Software design of Engine Management System-EMS, making interface among others Design Centers in Europe looking to the budget expectations.
- Ensure the integration and adaptation of electric / electronic components for Engine Management Systems in various vehicle platforms seeking synergy between applications.
- Grant cost optimization based on the reuse of most components of the Engine Management System across multiple platforms.
- Manage suppliers of embedded Engine Management Systems ensuring that issues related to quality, time, cost, and vehicle design projects to be undertaken in accordance with the budget.
- Responsible to report the program status, issues, and action plan to the several levels of hierarchy
- Innovation: leading cold start system (Flex Start) for Flex Fuel Applications, including the "Wake up system".
- Create and develop skills from the organizational knowledge acquired during the expatriation period.

Delphi - Automotive Systems Brazil & USA & Singapore

2000 / 2007

System Engineering and IT&V Supervisor

Report to South America Engineering Group Manager and Powertrain Line Manager US.

- Responsible for Embedded systems design of Engine Management System-EMS, making interface among others Design Centers in Europe (Software Development Team) and USA (Hardware Development Team).
- Co-author of several embedded engine management algorithms likes Flex Fuel ethanol Sensor less for Brazilian applications, cylinder identification camshaft sensor less for GM and Fiat, over speed detection, OBD Br diagnosis among others using Delphi Simulink Math Lab libraries.
- Deep knowledge in Powertrain algorithms like Torque Control, Fuel Control, Spark Control, Idle Speed Control, Air Control, and associated diagnosis
- Lead System Engineer for GM/Fiat Brazilian programs, owner of Software Requirements Document and Functional Test Procedure updating and checking the correctness of the software version.
- Responsible for starting up Software Development environment in South America, transferring knowledge from Europe to Brazil.
- Assist in determining technical strategy for engineering in Brazil and contribute for skill enhancement of Delphi Brazil engineering team.
- Introduction of IT&V (Independent Test & Validation competence in South America Tech Center.

Magneti Marelli Brazil and Italy

1995 / 2000

Expert Software Engineer

Report to South America Engineering Group Manager

- Firmware development for Embedded Automotive projects (Powertrain - Microcontrollers 68HC11A8, 68HC11F1, 68HC332 and 68HC375) specialized in Diagnosis Module of sensors and actuators, used in Electronic Control Unit.
- Responsible for software projects of Diagnosis Module to instruments used by OEM's and Dealers, with two months of training to get this technology in Italy.
- Script's maintenance (C-Shell) and make files for Software development process based on UNIX System.
- Author of methodology of software development, including System development synchronized with worldwide development process from HQ.
- Support in local implementation and maintenance of worldwide SW development team standards.

Alstom Brazil

1988 / 1995

Senior Software Engineer

Report to Technical Leader

- Full design of application software for Train Maintenance/Repair based on Asynchronous Communication Proprietary Protocols exchanging data with standard PC drivers.
- Fail Safe Software (FIRMWARE) development for Subway Train Control and Locomotives (ATC - Automatic Train Control) using Methodology of Software Development in Real Time (WARD-MELLOR), with C Language, Pascal, and Assembler.

Clemente Faião

- Development of Fail-Safe features like Advanced Control for Doors Opening, Automatic Train Stop in platforms among many others for SP Metropolitan Train Control.
- Full responsible for Field Test, Commissioning and Assisted Operation of Brasilia Metropolitan Subway System.
- SW development tests activities for Locomotive Train Control (ATCL).
- Actively participation on System Design of Buenos Aires Subway quotation phase.
- Planning and Management of Train Control projects activities.
- Responsible for Software Development Process creation achieving ISO-9001 certification in 1991.

Education and Additional Training

- E-MBA General Management Program / INSEAD/CEDEP France
- MBA Business Management / OHIO University USA
- MBA Project Management / Fundação Getúlio Vargas FGV Brazil
- Master's Degree Software Engineer / Mackenzie University Brazil
- Bachelor's Degree Electronic Technology / Mackenzie University Brazil
- High School Electro Technical Technician UNICAMP University Brazil

Languages

- Portuguese (native), English, French, and Italian (fluent)
- Germany (B1)
- Spanish (basic)

Courses

- Software Engineer for Automation USP-PECE.
- CM-Synergy – Developers and Build Manager – Delphi Mexico.
- Math lab and Simulink – OpenCadd.
- Microcontrollers 16 and 32 bits – Freescale.
- Skill Enhancement for System Engineers – Delphi - Automotive Systems.
- Software Common Process - Delphi - Automotive Systems.
- Software Engineer – Fundação Vanzolini.
- OMT and UML - Techmark Engenharia de Software.
- HIL - High Involvement Leadership - Marelli of Brazil.
- Continuous Configuration Management - Developers - Marelli of Italy
- Continuous Configuration Management - Build Manager - Marelli of Italy
- Custom's IC Magneti Marelli - Electronic Division Italy
- Basic Training of Emulator Lautherbach - Delo Systems Italy
- Introduction of UNIX Operating System (HP-VUE, SunOS 4.X e Solaris 2.X - OS Inform. Ltda.
- Antitrust and Compliance Training – Valeo
- Preventing Bribery and Corruption – FCA
- Competition Law: Preventive Anti-Competitive Practice – FCA
- Agile Methods for Functional Safety – CFJ Consulting
- System Engineering – Executable Specifications Methodology - CFJ Consulting
- Before Requirements - CFJ Consulting

Skills & Expertise (LinkedIn)

- Automotive Engineering / Vehicle & Powertrain Development
- Engine Fuel Control System / Transmission System
- Systems & Software Engineering Project Management
- Innovation Management / Program Management / Business Strategy
- FMEA, DFMEA, PDCA, Root Cause Analysis, Six Sigma
- Cross-functional Team Leadership / Continuous Improvement
- IATF/16949, ISO26262, ISO15031, ISO21448 / Product Integrity VDA