

## Automotive Diagnostics Senior Systems Engineer

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Company: AVL Research & Engineering

Location: İstanbul

Category: other-general

### **YOUR RESPONSIBILITIES:**

Drafting of Functional Safety Concept and Technical Safety Concept

Hazard Analysis Risk Assessment (HARA), Safety analyses FMEA, FTA, DFA)

Functional Safety Management Activities Safety Case, Safety Plan, Status Report)

Planning, coordination and implementation of functional safety relevant activities in customer projects from specification to validation

Specification of requirements for safety-relevant functionalities

Documentation and presentation of results

Attending technical review meetings

### **YOUR PROFILE:**

Minimum Bachelor's degree in Electrical / Electronics / Mechatronics / Control Engineering, and preferably Master's and/or PhD qualifications

Fluent speaking and excellent writing skills in English

Minimum 2 years of experience of diagnostic systems in automotive powertrain applications e-drive systems)

Fast learner, treats change as an opportunity to learn and develop

Good communication, presentation and planning skills

Willingness to frequent and long-term travel abroad

**And a good understanding of at least two of the following topics:**

Unified Diagnostic Services (UDS) (ISO-14229-1) & SAE-J1979-2 OBD on UDS•E/E

Architecture of Automotive Systems

Hybrid & Electric Vehicles

Software development and diagnostics tools MATLAB/Simulink, dSPACE/ETAS Tools, HIL Simulators, CANalyzer, CANoe, Candela Studio, etc.)

Real-Time Systems Hardware and Software Design

Automotive Powertrains (Engine, Transmissions, Batteries, Electric Machines and Power Electronics)

**ABOUT AVL RESEARCH AND ENGINEERING TURKEY**

Established in 2008, AVL Research and Engineering is an engineering center of AVL with two R&D centers in Istanbul-Türkiye that develops mobility solutions with intelligent and advanced technologies, runs national and international R&D projects and serves customers from the Turkish and the global automotive industry.

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