

FuSA (Functional Safety)

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Company: Tech Mahindra

Location: Lisle

Category: other-general

Job Title: FuSA (Functional Safety)

Work Location: Lisle, Illinois. (Day 1 Onsite)

Job Description-FuSA

This position is part of Functional Safety team which manages the full Functional Safety development lifecycle for all ECU applications including Base Software, Conventional and Electrified Powertrain, Electrification, ADAS systems, Body – Cab Controls, and Chassis Controls.

Responsibilities

Central point of contact for all functional safety queries for assigned projects.

Provide expertise in safety regulations and standards.

Develop, execute and monitor the execution of functional safety plans. Develop documentation and reports.

Work collaboratively with cross-functional teams to develop functional safety concepts and technical requirements. Apply understanding of Advanced Control Systems, Embedded Software, Electronics (Sensors and Actuators).

Provide guidance to hardware and software teams in implementing functional safety requirements and processes.

Conduct and contribute to hazard and risk analyses.

Plan and support safety validation activities, such as fault injection testing.

Analyze and review functional safety requirements, concepts and test results for vendor supplied systems.

Support internal and external assessments and audits.

Minimum Requirements

Bachelor's degree in engineering, Engineering Technology or Computer Science

At least 12 years of experience in product design/development or new technologies and/or computer science experience

At least 2 years of experience leading new technologies or specialized technologies

Desired Skills

Experience in one or more parts of the Automotive Functional Safety Lifecycle including but not limited to Functional Safety Management, Concept Development, Product Development, Verification or Production.

Experience with applying Functional Safety to one or more automotive domains such as conventional or electrified propulsion, steering, braking, lighting, HVAC, ADAS, base software. Strong familiarity with ISO 26262 required. Exposure to ISO 21448 is a plus.

Experience with diagnostics development is a plus.

Experience with Functional Safety development tools such as Medini.

Experience with requirements management tools such as Polarion, DOORS, JAMA

Strong CAN and J1939 and/or ISO 14229 UDS experience

Experience with Matlab, Simulink, MS Visio, INCA, Software configuration management tools.

Experience with Software programming language such as C/C++, embedded software development and testing tools (Canalyzer, HILs, etc.)

Experience with engineering and quality design and development methodologies: (8D, FMEA, DVP&R). Six Sigma certifications are a plus.

Strong interpersonal skills with ability to communicate effectively and establish good working relationships across departments.

“Tech Mahindra is an Equal Employment Opportunity employer. We promote and support a diverse workforce at all levels of the company. All qualified applicants will receive consideration for employment without regard to race, religion, color, sex, age, national origin, or disability. All applicants will be evaluated solely on the basis of their ability, competence, and performance of the essential functions of their positions with or without reasonable accommodations. Reasonable accommodations also are available in the hiring process for applicants with disabilities. Candidates can request a reasonable accommodation by contacting the company ADA Coordinator at ADA_Accomodations@TechMahindra.com.”

Regards,

Rohit Kumar Sen

Senior Business Associate (Central Sourcing Team)

Contact +1 424-326-5852

Email: RS00818686@techmahindra.com

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