

Senior Engineer - Functional Safety

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Company: Daimler AG (Canada)

Location: Mercedes

Category: other-general

Job Description - Senior Engineer - Functional Safety (MER00032T2)Senior Engineer - Functional Safety Group : Mercedes-Benz Group AG DescriptionWe are looking for a highly motivated, creative and passionate Engineer for the role of Functional Safety engineer at MBRDI, Bengaluru having experience in Automotive Industry. What You'll Be Doing

- Handle software compliance against safety standards, collaborate on efforts, measure results, and provide status reports
- At System level, support in creation/update of the hazard analysis and risk assessment
- Analyze and Derive hardware and softwaresafety requirements
- Ensure that safety requirements have been accepted and implemented by responsible
- Creation of the safety concept / derivation of the safety requirements (incl. acceptance criteria) / coordination of the safety requirements with all involved members
- Performance and documentation of impact analyses in the event of changes
- Execution of relevant quantitative and qualitative Safety Analysis (e.g. FMEA, FMEDA, FTA, HAZOP etc.)
- Derivation of quantity requirements for determining/verifying the HW architecture metrics for the components (ASIL-dependent, quantity analyses for ASIL C,D)
- Creation and release of test cases for the safety requirements
- Preparation of the release of the functional safety scopes in the context of the component release
- Validation of the safety concept in the product
- Supporting in performing confirmation measures - Perform confirmation reviews, functional safety audit and assessments, Milestone gate reviews
- Creation of Proven-in-use argumentation
- Strong collaboration and cooperation with Architects, Developers, Testers and supplier
- Support to maintain work products defined by the safety standards like project safety plan, safety cases, safety strategy, document flow etc.,

What We Need

- 5+ years of industry experience in a

related field • Hold a B.E./B.Tech. or higher degree in Computer Science or Electronics Engineering and certified Functional Safety Engineer • Excellent communication skills (oral and written) • Strong skills in communication, presentation and problem solving • Flexible and autonomous working with global interfaces • A strong teammate, self-motivated with a positive attitude • English business fluent, German (will be an advantage) Technical • Practical experience with certifying software against known industry standards like ISO26262 • Experience in requirement analysis and management process and implementation • Experienced in automotive systems and sub-system electronics architecture implementation • Background in requirements development and management of system critical systems and components • Knowledge of Hardware-In-Loop testing is desirable • Experience with System level and component level FMEA and FTA analysis Requirement management tools like DOORS is preferable • Proficiency in C/C++ and coding standards like Automotive MISRA or similar Strong background in real-time embedded operating systems • Familiarity with computer system architecture, microprocessor, and microcontroller fundamentals (caches, buses, memory controllers, DMA, etc.) • Good understanding of software quality concepts and processes • Knowledge IEC 61508, understanding on Automotive SPICE/CMMI aspects

Qualifications To be filled by HMOrganization Organization Mercedes-Benz Research and Development India Private LimitedPrimary Location India-Karnataka-Bangalore Work Locations Mercedes-Benz Research & Development India, Embassy Crest 'Embassy Crest' Plot No 5, EPIP Zone, Phase 1,560 066

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