Dr. Dipl.-Inf. Mario Kupries

Profile

Lead Embedded System Architect

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Engineering Consultancy for Connected Business:
Technical Lead Embedded AUTOMOTIVE Platform Systems.
AUTOSAR, Functional Safety, Vehicular (V2X), Virtualization, ASPICE.
Analysis, Modeling, Realization, Integration on System Level.

Dr. Kupries is an experienced Lead Software & Systems Architect and Business Engineering Consultant with demonstrated records in Automotive. His competence comprises of deep expertise in working with Global Auto OEMs and Global T1 Suppliers on software and systems developing of AUTOSAR and ISO 26262 compliant products. The clients benefit from his technical communicative skills, end to end live project execution experience and leadership qualities to mentor and deliver outcomes.
The capacity on holistically mastering embedded, complex, distributed systems in environments is core of his reputation.

Project Examples

- Capability analysis for encompassing new technologies
- Acting as a mentor, advisor and consultant for developing long term enduring competencies
- Agile process definition, key role definitions, collaboration and distribution documentation
- Conception, realization and organizational implementation of workflow management systems
- Technical project lead: Software & system development
- Architecture-based development of software intensive systems (e.g. Brake systems, E/E Steering system, Seat ECU module, Infotainment system, ADCU)
- Company & process assessment as ASPICE 3.1 [VDA]

Professional Background

2018 -	Lead System Architect
2010 -	Lead Software Systems Architect (Germany wide: Projects with Continental, VW, Bombardier)
2000 - 2010:	Software Architect (World wide: KSA, UAE, U.S.A., Cyprus, Oman, Denmark, Germany)
1998 - 2000:	HPI Software Systems Engineering, Potsdam

Degrees:

11/2000:	Dr. rer. nat. (SW Architecture)
06/1996:	Diplom-Informatiker (SW Eng)

Skills

- Technical project lead and cross-project collaboration
- Product definition and customer requirements elicitation [SYS1…SYS3]
- Modeling of holistic, cross-system views and viewpoints
- Model based software and systems development
- AUTOSAR compliant software and systems architectures
- Function and signal traceability of customer, software and system requirements
- Platform systems and variant modeling
- Vehicular network technologies
- ISO 26262 functional, technical, microcontroler concepts