

|  Job Description | | Format No:HR_F_160 Version: 2.0 Date: 23-Jul-21 |
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| Software Architect Embedded - JD (DJD2021025) | | |
| Roles | Software Architect is responsible for the design and development of software systems and embedded applications. They may create software tailored to a clients' specific needs or create products geared for consumers, such as embedded applications. They act as high-level decision makers in the process, determining everything from design choices to technical standards, such as platforms and coding standards. | |
| Responsibilities | Design and implement software of embedded devices and systems from requirements to production and commercial deployment Design, develop, code, test and debug system software Review code and design Analyze and enhance efficiency, stability and scalability of system resources Integrate and validate new product designs Support software QA and optimize I/O performance Ensure software meets all requirements of quality, security, modifiability, extensibility etc. Assess third party and open source software Interface with hardware design and development Provide post production support Provide technical guidance and coaching to developers and engineers | |
| Category | | Description |
| Qualifications | BE (CS/IT) | |
| Experience | 12+ years experience in software project execution and exposure to various software Development, Debug, Analysis tools | |
| Technical & Process Capabilities | Proven working experience in software engineering Experience in hands-on development and troubleshooting on embedded targets Solid programming experience in C or C++ Proven experience in embedded systems design with preemptive, multitasking real-time operating systems Experience with software development lifecycle (SDLC) processes Adequate knowledge of reading schematics and data sheets for components Strong documentation and writing skills Excellent knowledge of OS coding techniques, IP protocols, interfaces and hardware subsystems Familiar with Software Engineering Processes, Tools, CM, Defect Mgmt, V&V, Familiar with Software & Coding Standards, Model based Development, Low Code based Accelerated Dev Process knowledge maturity, Awareness or exposure to AS9100 / CMMI / ISO Standards | |
| Behavioural Capabilities | Collaborative , Capable to interact / interface with customers, cross functional team Self driven, able to mentor, openness Customer centricity and external focus Passionate & Learning ability | |
| Values | Accountable & Responsible, Ethics & Integrity, Knowledge, Collaboration, Caring, Agility, Empowerment with Accountability and Sustainability | |
| Preferred Experience, Knowledge & Attributes | Skills, knowledge and abilities for Solutioning Problem Statements of Customers Abstraction, Analytical and conceptual skills in developing efficient and effective solutions to diverse and complex business problems Passionate to Succeed Customer Centricity Agility | |
| Compensation | To be filled by HR | |