

Dear Job Aspirant,

We wish to connect with you for below position of **Technical Architect (Embedded)**

* Designation**:** **Technical Architect**
* Qualification: B.E – EC/E&TC/Computer Science or equivalent
* Location: Pune
* Experience: 12+ years

**Company Profile :**

Founded in 1999, Softdel (a UNIDEL company) connects devices, enterprises, and people. Our distinctiveness lies in simplifying enterprise connectedness in smart buildings and smart factories creating unprecedented benefits for our customers and their eco-systems. Headquartered in Stamford, CT, USA, with offices in Japan, and India, we deliver domain expertise and technology-driven solutions to help companies turn digital challenges into opportunities. Our two-decade-long product engineering experience of serving global leaders in the automation & controls industry has catapulted Softdel to an enviable position in the Industrial and Buildings IoT value chain.

For more information, visit [www.softdel.com](http://www.softdel.com). Follow on [LinkedIn](https://www.linkedin.com/company/softdel/) and [Twitter](https://twitter.com/softdelsystems?lang=en).

**JOB Description:**

**Responsibilities:**

* Lead the architecture and design of embedded systems projects, including selecting appropriate hardware and software components, communication protocols, and RTOS.
* Collaborate with cross-functional teams to gather requirements, define technical specifications, and create architectural solutions that align with project objectives.
* Design and implement system-level solutions, ensuring scalability, reliability, performance, and security.
* Provide technical leadership and mentorship to development teams, guiding them in implementing best practices, coding standards, and design patterns.
* Drive the evaluation and selection of communication protocols and technologies, ensuring seamless data exchange between embedded systems and external interfaces.
* Perform feasibility studies and technical assessments for new projects, analyzing requirements and proposing innovative solutions.
* Collaborate with hardware engineers, software developers, and quality assurance teams to ensure cohesive system integration and testing.
* Identify potential risks and challenges in embedded system projects and devise effective mitigation strategies.
* Stay updated with the latest advancements in embedded systems, RTOS, and communication protocols, and apply that knowledge to improve the architecture and design of projects.
* Assist in defining project schedules, resource allocation, and project budgets.
* Act as a technical liaison between the development team and clients, addressing technical queries and concerns as needed.
* Contribute to the development of technical documentation, including architectural diagrams, design documents, and technical specifications.
* Lead or participate in design reviews and technical discussions to ensure alignment with architectural goals.
* Collaborate with project managers to ensure timely and successful project deliveries.
* Experienced in implementing secure development methodologies, ensuring robust protection of sensitive data and systems integrity.

**Qualifications and Experience:**

* Bachelor's or Master's degree in Computer Science, Electrical Engineering, or a related field.
* Minimum of 12 years of hands-on experience in embedded systems development, with a focus on architecture design.
* Strong proficiency in Embedded C/C++ programming languages.
* In-depth knowledge of Real-Time Operating Systems (RTOS) and their application in embedded systems.
* Expertise in communication protocols such as UART, SPI, I2C, Ethernet, CAN, etc.
* Proven experience in system-level architecture design and integration.
* Familiarity with hardware components, microcontrollers, and microprocessors commonly used in embedded systems.
* Previous experience in mentoring and leading technical teams.
* Excellent problem-solving, critical thinking, and decision-making skills.
* Strong verbal and written communication skills, including the ability to convey complex technical concepts to non-technical stakeholders.
* Familiarity with agile development methodologies.
* Experience with version control systems and development tools commonly used in embedded systems development.

Regards,

HR Team – Softdel Systems

Email: - [careers@softdel.com](mailto:careers@softdel.com)

Website: - [www.softdel.com](http://www.softdel.com)