SEDEMAC Mechatronics Limited

Engineer, Embedded Software

About the job

Our products are heavily reliant on embedded software, and hence we are inviting passionate individuals to join our team to contribute towards our pursuit of building world-class products for the future. You would be a key player of the team responsible for crafting world-class software that goes into high-scale products built by SEDEMAC. This is an opportunity to create impact, the code you write will go into millions of products we ship annually. You will be a part of a peer group that will encourage and inspire you to improve.

Major Responsibilities

"Engineer, Embedded Software" at SEDEMAC is responsible for end-to-end design, development and testing of embedded software stack within a particular product line in SEDEMAC. The candidate is required to:

1. Be responsible for software development for product lines such as "traction controllers", "fuel injection controllers", "generator set controllers" etc.
2. Ensure timely and high-quality software delivery, in co-ordination with system engineers and electronic engineers who are responsible for their respective domains of the product development.
3. Act as the first point of contact for internal and external customers. Typically, the internal customers of software team would be the system engineering team who are product owners.
4. De-risk crucial show-stoppers in the project, involving development of complex logics, and resolving complex defects (RCAs). This also includes the candidate participating in post-production failures of the product.
5. Actively participate in improving software development process, workflows, technologies used at SEDEMAC and ensure compliance with software development standards as relevant to the product line that the engineer is driving.
6. Perform code reviews; have a keen eye for suspecting and spotting potential errors.
7. Ensure thorough, high-quality documentation of the software artefacts developed, and also participate in development of white-papers to improve the state of software team's knowledge repository.

Required Skills & Experience

- Software development experience in embedded software development in C and preferably C++.
- Comfort with Python scripting is good to have.
- Experience with RTOS is a plus.
- Good knowledge of microcontrollers and hands-on with IDEs, debuggers, emulators etc.
- Comfort with Git is desired.

- Excellent spoken and written English communication.

Information on Selection Process

- The selection process will be multi-phased tests plus interviews.
- There will be focus on evaluation of your understanding of embedded software skills, logical & analytical skills.

Education & Experience

- Bachelor's or Master's degree in Electrical, Electronics & Telecommunication, Instrumentation, Mechatronics, Robotics only

About SEDEMAC

At its core, SEDEMAC is the convergence of talented engineers committed to the development and large-scale deployment of innovative control technologies and products. As one of the fastest-growing Tier-1 suppliers in the automotive space, we work with vehicle, motor, and engine manufacturers who are leaders in their own space to deliver fundamental control solutions with real-world impact. Our engineer-led organization prides itself on creating technology propositions and taking them from the drawing board to high-volume production with operational excellence. We foster a culture that values creativity, honesty, and respect—where ideas are judged by their merit, not by hierarchy. With a strong foundation and ambitious growth plans, SEDEMAC is uniquely positioned to shape the future of controls.

Job Location – Baner, Pune.