



BTL India

BTL is one of the major manufacturers of medical equipment globally. BTL's major segments include Rehabilitation & Orthopedics therapy, Cardiovascular systems and Aesthetics medicine.

BTL India focusses on the end-to-end research & development of new medical devices for global market, from idea to serial production at our manufacturing facilities in Europe.

We are looking for a **Software Design engineer (5 - 8 years)** to join our **R&D Improvement and Support team**, which play a major role in ensuring continued design support to post market releases.

ROLES AND RESPONSIBILITIES

As part of the medical product development and support team, should be able to perform the following duties to support the company's goals:

- o Analyze software requirements and create the design for an assigned module, subsystem or a new feature.
- o Implement the module as per design and perform unit testing.
- o Integrate modules within the software architecture and contribute to the integration testing.
- o Analyze released products to understand architecture and design details and identify possible upgrades, feature additions etc.
- o Analyze, troubleshoot and implement solutions to support time to time upgrade as per medical standards requirements and specific to various new country registrations.
- o Analyze issues/complaints reported from production/field/service and respond quickly with trouble shooting solutions.
- o Conduct detailed verifications and testing for the formal release of upgrades or new features to production through the ECO process.
- o Develop prototypes to evaluate various libraries, frameworks and to support the hardware team.
- o Contribute in software documentation in all the phases of the product life cycle.
- o Comply with the requirements of the Quality Management System, including understanding the quality requirements for the role.
- o Understand the identified technical issues and work on closures as per guidance.
- o Work efficiently with hardware, software and mechanical development teams to deliver the assigned task/project with quality within the timelines.

ESSENTIAL QUALIFICATION AND EXPERIENCE

QUALIFICATION:

- o BE / B.Tech / ME / M.Tech in /Electronics and Communication or similar discipline.

TECHNICAL COMPETENCY:

- o 5-8 years of experience in developing firmware, drivers and applications on embedded platforms using C/C++.
- o Experience in developing firmware for STM microcontrollers.

- o Good knowledge of embedded system fundamentals like microcontrollers, peripherals, embedded operating system concepts, communication protocols, etc.
- o Experience in working with the hardware teams for hardware / software integration points.
- o Experience in build automation, continuous integration, automated unit test frameworks and config management tools.

BEHAVIORAL COMPETENCY:

- o Excellent analytical and problem-solving skills.
- o Self-motivated and passionate to finish on time.
- o Ability to learn new areas quickly.
- o Good team player with good collaboration skills.

BTL is a global leader in the field of development and production of medical devices for physiotherapy and is a well-respected company within the field of cardiology and aesthetics with a constantly growing share of the worldwide market. The development center in Prague currently employs more than 100 people. We have two factories in Europe where our broad product portfolio is produced from which it is distributed under the BTL brand name to more than 100 branches and business partners around the world. From its establishment in 1993 the company has been building up a complex technological know-how across a wide spectrum of fields. The philosophy of the company is to create technologically unique products with high added value, top quality and original industrial design.

