

**Title: Intern (M. Tech/M.E.)**

**Location: Hyderabad**

### **Careers that Change Lives**

Medtronic is the world's largest medical technology company (\$28B revenue and more than 85000 employees in more than 160 countries), offering an unprecedented breadth and depth of innovative therapies and solutions. Medtronic has setup a multidisciplinary Research, Development & Engineering Center at Hyderabad known as Medtronic Engineering and Innovation Center. The center provides advanced engineering R & D support to the Global Business Units in the areas of software & design, development and testing, while developing a footprint for future product development for the region and country. MEIC has been leveraging the local presence and eco system to support regional business needs.

MEIC is a true symbol of Medtronic's commitment to growth and service to patients in India and globally. The center aspires to contribute to development of technologies and products for local needs by leveraging the healthcare ecosystem. The uniqueness of Medtronic Engineering & Innovation Center, Hyderabad lies in the commitment to provide innovative and reliable healthcare solutions through a collaborative environment.

### **Position Overview**

Software Engineer - Intern will be placed as part of the R&D Engineering function of Medtronic Engineering and Innovation Center R&D facility. The individual will contribute to various phases and activities of the software development process. Candidate must be willing to work in a fast paced, multi-tasking, team environment. The Engineer frequently interacts with Tech Lead, other Software engineers, internal partners and stakeholders concerning design, implementation or requirement clarifications, and works closely with global sites.

### **A Day in the Life**

#### **KEY RESPONSIBILITIES:**

- Read, analyze, understand product requirements;
- Learn and understand software standards for Medical devices, ex. IEC62304.
- Support software development activities and execute software tasks using Agile SW development methodology.
- Develop efficient code and create high quality procedures to implement the design and tests
- Maintain software build/configuration management
- Support test infrastructure set up and test tool development; such as test tools, stubs, Hardware/Firmware simulators and emulators.
- Establish and maintain traceability from software requirements to verification test design and implementation.
- Work under general direction and collaboratively with internal and external partners.

#### **Education:**

- Required:

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- Master of Engineering or Master of Technology in Computer Science Engineering or Information Science Engineering from a premium institute.

**Required Experience:**

- 0- 1 years of Software industry experience.
- Strong Object Oriented concepts & Data Structures
- Solid in one or more of the following programming languages: C#, .NET, HTML, Java, JavaScript, C++, Python.
- Strong Database knowledge
- Strong Problem solving and Communication skills

**Preferred Skills/Competencies:**

- Proficiency with two or more of the following programming languages: C, C++, Java, JavaScript, HTML, VBScript, C#, .NET, Perl, Python, Objective C
- Experience using BDD test tools\ frameworks like SpecFlow, Cucumber, or Gherkin.
- Experience developing automated tests web, mobile, applications hosted on cloud.
- Understanding of HTML, CSS, SQL, Hadoop, XML/XSLT, JSON.
- Familiarity and understanding of one or more of the following tools: Visual Studio, Automated test tool Microsoft Test Manager, Web based applications, Eclipse, Visual Source Safe, and Requisite Pro.
- Familiarity with both Agile and Waterfall software development methods.
- Ability to test, analyze, and solve technical problems.
- Strong written and verbal communication.

**About Medtronic**

Together, we can change healthcare worldwide. At Medtronic, we push the limits of what technology, therapies and services can do to help alleviate pain, restore health and extend life. We challenge ourselves and each other to make tomorrow better than yesterday. It is what makes this an exciting and rewarding place to be.

We want to accelerate and advance our ability to create meaningful innovations but we will only succeed with the right people on our team. Let's work together to address universal healthcare needs and improve patients' lives. Help us shape the future. Whatever your specialty or ambitions, you can make a difference at Medtronic both in the lives of others and your career. Join us in our commitment to take healthcare Further, Together.