# Change the world. Love your job.

| | |
|---|---|
| **Role** | Embedded Software Engineer |
| **Location** | Bengaluru, India |

## About Texas Instruments India

Texas Instruments Incorporated (TI) is a global semiconductor company that designs and manufactures semiconductors and various integrated circuits. TI is one of the top-10 semiconductor companies worldwide, based on sales volume and is focused on developing analog chips and embedded processors, which account for more than 80% of our revenue. TI has been a pioneer in many innovations in the semiconductor domain including the development of the first integrated circuit, the first patent on a single-chip microprocessor, the first single-chip linear predictive coding speech synthesizer, developing the prototype of the world's first transistor radio and the invention of the digital light processing device (also known as the DLP chip), which serves as the foundation for the award-winning DLP technology and DLP Cinema (used in IMAX theatres).

TI India was set up in 1985 and has R&D presence for all the major business units of TI including Analog (Data Converters, Amplifiers, Clocks & Synthesizers, Motor Drives, Power Management) and Embedded Processors (Connected Microcontrollers, Radar, ADAS - Advanced Driver Assistance, Infotainment Processors etc.) and caters to products for different market segments - Industrial, automotive, personal Electronics, Communication and Enterprise.

By employing the world's brightest minds, TI creates innovations that shape the future of technology. TI is helping about 100,000 customers transform the future, today. We're committed to building a better future – from the responsible manufacturing of our semiconductors, to caring for our employees, to giving back inside our communities and developing great minds. Put your talent to work with us – change the world, love your job!

## Groups Within TI

**Analog Signal Chain** products condition, amplify and convert signals such as sound, temperature, pressure or images into digital data to be processed by other semiconductors. Our teams design, develop and market more than 30,000 products for the industrial, automotive, personal electronics and communications markets. When you like a photo on social media, you're using ASC's signal conditioning technology. Streaming services can push 2000+ video streams/second on each server using our interface technology. TI's isolation barrier can withstand a working voltage in an electric car's onboard charging system for more than 100 years!

**Analog Power Products** - Power management is at the center of enabling the continued integration of electronics in our lives. The power management team works towards a constant pursuit of pushing the limits of power: developing new process, packaging and circuit-design technologies to deliver the best devices for various applications. The teams solve key power design challenges – increasing power density, extending battery life, reducing electromagnetic interference (EMI), enhancing power and signal integrity, and making systems even safer.

**Embedded Processing** - Dedicated to advancing and optimizing today's processors to meet tomorrow's intelligence, performance and cost requirements in automotive and industrial applications. When you're driving on the highway and your mirror lights up notifying you of a car in your blind spot, you're using EP's radar-based advanced driver assistance systems (ADAS) technology. When you turn off the lights or adjust the temperature in your house using your phone, you might have been using one of TI's Wi-Fi devices. Our scalable hardware and software platforms with common code allow designers to seamlessly reuse and migrate across devices to protect future investment.

# Change the world.
# Love your job.

## Eligibility Criteria:

- Engineering degree in Electrical, Electronics, Computer Science or related fields
- Minimum CGPA of 7.0 on 10.0

## Job Description:

As a Software/Firmware Engineer in the team, you will be working on development of platform software for next generation automotive or radar devices. You will also have the opportunity to work in exciting areas that TI works on like ADAS (Advanced Driver Assistance Systems), Radar, Motor Control, DLP, Microcontroller etc.

Your responsibilities will include:

• Understand standard specifications/ functional specifications/ feature enhancements for the device accelerator or advanced peripheral subsystem and create detailed design documents and develop software and use-cases

• Be an individual contributor in the software development domain – develop & maintain products, and support customers/field teams to integrate this functionality to end products

What do we expect from you?

• Bachelor or Master's degree in Computer Science/ Electrical/ Electronics engineering

• Strong technical knowledge of embedded C, computer architecture, operating systems (RTOS)

• Strong C programming skills

Preferred Skills

• Experience with embedded software development

• Experience in Embedded Linux development, Real Time Linux

• Effective communication skills to interact with all stakeholders

• Good team and people skills to work closely with the systems, apps, marketing and test teams

## Connect with us

/TXInstrumentsIN

/TXInstrumentsIN

Join our Talent Community