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## Internship in development of IoT products

Organization: Bosch Connected Devices and Solutions GmbH | Nation: Germany | Location: Reutlingen | Functional Area: Engineering, Software Development |

Level: Internship | Date: 18.10.2017 | Reference no.: DE00575239

**Do you want beneficial technologies being shaped by your ideas? Whether in the areas of mobility solutions, consumer goods, industrial technology or energy and building technology – with us, you will have the chance to improve quality of life all across the globe. Welcome to Bosch.**

As a startup, BCDS is active in the IoT market in an agile and dynamic way benefiting from the experience of the Bosch group. Our product portfolio includes products such as the XDK, retrofit eCall and TDL. Our Retrofit eCall Plug is a smart sensor device designed for collision detection of passenger vehicles. The device can be easily retrofitted to any type of car to increase the security of the driver and helps to accelerate road side assistance and rescue. XDK is a fully integrated Cross Domain Development Kit available for any customer on Mouser.com or Conrad.de consisting of both hardware and software and includes multiple MEMS sensors. Various wireless technologies ensure connectivity and versatility of the platform.

BCDS supports IoT concepts also with manufacturing expertise and assists customers in moving from prototype platform to series production. The Transport Data Logger is bringing transparency to the Supply Chain. The TDL gives the initiator of a delivery peace of mind. In the event that a parameter threshold is exceeded (humidity, temperature, shock, tilt ...), the TDL provides verifiable proof and a reliable indication for possible primary and secondary damage.

The Product Area Logistic (PAL) responsible for this product is looking for an intern to expand detection capabilities of this product. This internship is a unique chance to experience the IoT startup thrill in a team consisting of 18 different nationalities inside an historical industrial group.

### Your contribution to something big

- ▶ Defining the functionalities that can be added based on the existing hardware
- ▶ Defining the architecture of the software to implement these functionalities
- ▶ Design and implementation of the embedded functions in the existing software
- ▶ Implementation of the tests: unit tests, Hardware on the loop, tests on target etc.
- ▶ Support SW development teams

Start: according to prior agreement  
Length of this internship: 3 - 6 months

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### What distinguishes you

- ▶ Student of a Technical Engineering discipline in the area of electronics, embedded software, IoT
- ▶ C language development for embedded product (ARM Cortex M3)
- ▶ Preferable you have experience with sensors data collection and experience in embedded software in a very limited environment (flash and Ram)
- ▶ Enthusiasm for all trades with passion for IoT
- ▶ Interest to work in new concept & ideas
- ▶ Good command of English in speech and writing

Requirement for this internship being enrolled in university. Please attach your examination regulations and when indicated work permit and legal alien resident.

**Make it happen.**

Reference no. **DE00575239** - Apply online: [www.start-a-remarkable-career.de](http://www.start-a-remarkable-career.de)