


## **Barkhausen Institut gGmbH - Internet der Dinge**

 **barkhausen** Das Barkhausen Institut forscht an neuesten Hardware-, Software- und  
institut Kommunikationstechnologien und demonstriert deren Anwendung in der  
Gesellschaft von morgen. Unser Ziel ist es, eine flexible und  
vertrauenswürdige IoT-Plattform zu entwickeln, die auf zuverlässiger Elektronik und sicheren  
Kommunikationsmethoden basiert.

### **System and Embedded Developer (m/w/d)**

City: Dresden; Starting Date: At the earliest possible; Duration: The position will initially be filled for a period of 2 years.; Renumeration: The position will be remunerated in line with TV-L E-13.; Reference number: System and Embedded Developer

#### **Working field**

The Connected Robotics Lab merges the results of our research and strives to build compelling demos and visualizations. We aim at showcasing 5G and IoT technologies in realistic real-world applications. With a very flat hierarchy as well as an agile team we provide the perfect environment for you to bring in your ideas. We value communication and teamwork to accomplish our ambitious goals together.

Besides an engineer with good coding skills we seek someone who participates in the whole development process and shares their unique ideas. The position will initially be filled for a period of 2 years and will be remunerated in line with TV-L E-13. The position aims at supporting further academic qualification (e.g. PhD).

Your responsibilities will include

- Design and develop embedded devices firmware (AVR, ESP),
- Test and integrate microcontroller peripherals,
- Develop automatic firmware and system testing facilities,
- Develop configuration and interaction tools for our demonstrations,
- Design and implement monitoring and control components,
- Perform, support and interpret electronic measurements.

#### **Requirements**

- University Degree in appropriate field (Electrical Engineering, Software Engineering or comparable)
- Advanced Knowledge in C++ and Python
- Work experience in software architecture, automated testing, continuous integration, and version control (Git)
- Advantageous: Knowledge in RF, Digital Signal Processing, Electronics and Linux
- Advantageous: Hands-on experience with lab work (Oscilloscope, Spectrum analyzer, Logic analyzer)
- Open to present and communicate our results to the broad public

- Very good communication skills in English or German

You are interested, but you don't think you meet all the requirements of the job posting? Then you should know: We don't hire resumes, we hire people. We are looking for potential and want to actively foster it. That's why we encourage you to apply!

## What We Offer

- An open and creative team
- Agile working hours and workflows
- Cross-disciplinary projects
- Work on future technologies
- Flat hierarchies for your ideas and flexible teams

If you have passion for new technologies and the desire to develop the connected world of tomorrow with us, we are looking for you.

Life and science are compatible at our institute. We offer a range of recognised family-friendly measures, such as part-time work, mobile working and flexible working hours that take family needs into account. We also offer support for arriving in Dresden (all formalities, apartment etc.).

## Application

- Your application should include: motivation letter, CV
- Barkhausen Institut strives for gender and diversity equality. We welcome applications from all backgrounds. Severely disabled persons are given preference in the event of equal suitability.
- We only accept complete documents as one single PDF document by e-mail to **careers@barkhauseninstitut.org**. Please reference "System and Embedded Developer" in the subject line. Applications that contain other file formats (e.g. Word, Excel) will not be considered in the selection process. Informal inquiries can also be submitted to the same address.

The data submitted by you in the course of the application procedure will be processed by the Barkhausen Institut (BI). BI shall use the data for the purposes of the application procedure. No data shall be passed on to third parties.

More information at <https://stellenticket.de/187652/>

Offer visible until 13/10/24

