Paderborn University is a high-performance and internationally oriented university with approximately 18,000 students. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,600 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

The System and Circuit Technology Group at the Heinz Nixdorf Institute offers a position, starting as soon as possible, as a

**Embedded-Software-Developer (f/m/d)**
( Salary group E 13 TV-L)

with 100% of the regular working time for a period of 18 months at the Paderborn University. This is a qualification position within the meaning of the scientific temporary contract act (WissZeitVG) for a project position in the context of the research project "RadiOptics: High-frequency signal generator based on an optoelectronic frequency synthesizer" as part of the "Exist-Forschungstransfer". The foundation of a start-up is planned during the project, with the perspective for a long-term engagement within the start-up, in case of a successful launch.

**Duties:**
- Research and development of new functions and components for the control of innovative devices in the field of measurement equipment
- Conception, specification and design of the controlling of different HF-modules
- Programming of microcontrollers
- Integration of the firmware modules and their testing in the overall system

**Recruitment requirements:**
- Scientific Master's degree in computer science or a comparable field of study
- Very good knowledge of the programming language C/C++ (Python also acceptable)
- Very good experience in programming ARM Cortex-based MCU
- Good knowledge of German and English
- Independent, organized and responsible working approach
- Desirable are:
  - Experiences with industrial use of a Raspberry Pi
  - Experience with system bus such as I²C and SPI
  - Experience with design and layout tools (Altium Designer preferred)

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application quoting **reference number 6125** by **30th September, 2023** to: sfard@mail.uni-paderborn.de.

Information regarding the processing of your person data can be located at: https://www.uni-paderborn.de/zv/personaldatenschutz.

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