

Internship / Practical Semester

Embedded Software | Automation Technology | New Technologies

97828 Marktheidenfeld near Würzburg/Aschaffenburg

The industry of the future enables the automation and networking of intelligent, safe and flexible machines and systems. Would you like to participate in key technologies such as Sercos Hot Plug, Time-Sensitive Networking (TSN), OPC UA architectures, multicore applications and hypervisor technology? Do these terms make you curious and you want to develop in this direction? During your **internship / practical semester** in the **Embedded Software** department at Schneider Electric, Marktheidenfeld 97828, in the region of Würzburg/Aschaffenburg you will have the opportunity to work on current topics. Immerse yourself in the exciting world of logic motion controllers with synchronous drives, real-time operating systems, high-performance fieldbus protocols and our high-end product family "PacDrive3", which is one of the world's leading systems in the packaging industry.

After the internship semester, it is possible to write your final thesis (diploma, bachelor or master's) with us. We'll help you find an exciting topic and get there together.

Life Is On – are you too?

Your responsibilities

- Develop **firmware modules** with us - you will gain insight into the entire development process from design, architecture and specification to programming, analysis as well as verification.
- You will be involved when we develop our products of the future and integrate **future-oriented technologies** (multicore, hypervisor technologies, TSN, etc.) into our system.
- You will work with one of the **most powerful embedded controllers with Intel architecture** and a **real-time operating system**.
- We work **agile** according to SCRUM - get to know the method in practice!

Here you will get an insight into what a job in development at Schneider Electric looks like:

<https://www.schneider-electric.de/de/about-us/careers/jobs/developer.jsp>

Our offer

- You can expect **exciting, innovative** and **future-oriented projects** where boredom is impossible - you will be given directly varied and responsible tasks.
- Work in **international teams** with colleagues from over 20 nations.
- You can look forward to **flexible working hours** and **attractive remuneration**.
- Working with sense! As a **Green Company** with a sense of responsibility and sustainability, you can create a green future with us.
- Get to know our location **Marktheidenfeld** and the surroundings [here](#).

Your profile

- You are holding a degree (diploma, bachelor, master) in informatics, electrical engineering, automation engineering, mechatronics or a related field of study.
- You are interested in **firmware development** in the field of industrial automation with highly dynamic drive solutions.
- Background knowledge **programming in C++** (and **C**) during your studies. If you have also gained experience with IEC 61131-3 and CODESYS, even better.
- Familiarities with **embedded platforms with hard real-time requirements** and **embedded real-time operating systems** from lectures and you want to grow in this direction.
- Working in an **international and multicultural environment** - speaking English does not scare you off.