

Did you ever ask yourself, where you will live when you are old? You probably have images of care homes in your mind right away. And most likely you feel slightly uneasy about that. Most people feel the same and would prefer to stay in their own home as long as possible.

CARU is a young Zurich based company. We ensure safety and wellbeing in living environments. Our smart IoT system enables care takers and patients to connect more efficiently – both in emergencies and in every day live. In turn, we empower people to live independently.

We are looking for a

Embedded Software/Hardware Developer (100%)

Responsibilities & Tasks:

- Responsible for design and implementation of the embedded software (Linux and RTOS)
- Implement device drivers, sensor read out, embedded sensor processing
- Together with our software team design and implement secure IoT communication between hardware and our application cloud including FOTA
- Finite state machine design, implementation and testing

Requirements:

- BA/BS degree or higher in Computer Science, Computer Engineering, Electrical Engineering, related field, or relevant practical experience
- 3+ years in HW focused programming (C, C++) and application-focused tools (Python)
- Experience with IoT system development
- Experience with bus protocols such as SDIO, SPI, UART and PCIe, etc
- Experience with Linux kernel and device-driver development, ARM Cortex-Mx
- Excellent communication skills, oral and written, in English and preferably German
- Swiss work permit

Optional:

- Know-how in PCB schematic design and layouting
- Understanding of sensor technologies and filtering/sensing algorithms
- Experience in audio front end development and DSP implementations
- Data structures and SW architectures for real-time data processing

Our highly motivated team has many years of experience in setting up startups and developing consumer products. As a team member you will take responsibilities in your field early on and you will get the great opportunity to shape CARU with your own initiatives.

Are you excited about working in an extremely dynamic environment? Would you like to work in a large emerging market? Are you passionate about innovative solutions? Then we look forward to receiving your electronic application!

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