



FAST
GROUPE CLAIRE

FAST GmbH is a subsidiary company of **Groupe Claire**, a leading provider of technology in the worldwide water industry. We are the worldwide major supplier of water leak detection devices including data collection and software solutions. With worldwide recognized experience in the area of water leakage location we help in this environment our partners and therefore every single person with an efficient handling of the consumption water resource. As a company of the **Claire group**, the **FAST GmbH** is with more than 45 employees at the site in Langenbrettach one of the leading suppliers of water equipment's and represents the group-wide competence centre in the drinkable-water leakage identification segment.

For the Langenbrettach site R&D department we are looking for a

Firmware Design Engineer (m/f/x)

Main purpose / objective of the position

This position is in charge of implementation for embedded code for electronic IoT products. The Firmware Engineer is working on various product range (logger, correlator, sensor, comm module...) This position will provide design, development and test support for advanced data collection.

Your responsibilities

- Implementing FW-components (drivers for communication module) and developing the communication interfaces and protocols
- Complete overview of the product architecture and the system architecture
- Knowledge about the LTE, Lora network and the data modelling
- Architect for new protocol design
- Reviewing and implementing protocols which are defined by external partners
- Using product firmware and software architecture, UML diagrams and model
- Validating market requirements and deriving system requirements.
- Clarifying requirements with internal and external customers
- Performing code reviews, developing component test descriptions, performing component tests, contributing to design specifications, supporting testers in acceptance tests, improving processes and existing products and supporting existing products.

Your profile

- Bachelor or Master in electrical engineering, informatics
- Strong knowledge in communication ISO layers and protocol impacts
- Strength in authentication, encryption
- Electronic design on electronic, battery powered and embedded applications
- Microcontroller 8 and 16bits
- English: Fluent; German.
- At least 5 years of experience in developing electronic products (ideally of battery operated mass produced products) within project environments. Design of communication protocol in C with data structure and presentation for communication protocol.

Your benefits:

- Attractive flexitime models and offers that promote balance family life and career
- Customised training opportunities
- An international environment with team colleagues you can rely on
- Opportunities for sharing your own ideas
- Holiday and Christmas bonus, Employer's contribution VWL, Permanent employment contract, Regular employee events, Free coffee and cold drinks

Please send your written application to:
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