

# Radar SW Developer, HPC (m/f/d)

Zurich, Switzerland

Software development

## ABOUT US

We at Fujikura Technology Europe GmbH are a proud part of the Japanese technology group Fujikura Ltd., founded in 1885. You have probably already had contact with the company's products in many cases without knowing it. We provide products in the field worldwide Energy/telecommunications, automotive (e.g. for VW, Audi and Porsche) and electronics. As an important subsidiary of the R&D area, we were founded in 2018 Hessian Frankfurt am Main with the task of being innovative and develop and market cross-industry solutions. We are the small digital hub of the development department. Our innovations and solutions focus on the areas of software and artificial intelligence, radar technologies and sensors.

We emerged from an international group in 2020 decided to set up two international subsidiaries ourselves. So FTES AG (Switzerland) was founded to support our development department and the FTET (Türkiye).

## Tasks

### YOUR TASKS

- You are part of our software development team for automotive radar
- Developing high-performance applications for next generation of wireless sensors
- You implement existing state-of-the-art algorithms and be working together with the algorithms team
- You translate algebraic constructs into high-performance numerical routines
- You establish testing procedures and metrics to ensure robust, conformant, and performant system behavior
- You document and write about related technical subjects for technical and nontechnical audiences

## Qualification

### YOUR PROFILE

- You have professional experience in developing compilers preferably based on LLVM or GCC
- You are familiar with compiler concepts such SIMD, MIMD, Advanced Vector Extensions and Heterogeneous computing High-Performance Computing
- You have deep knowledge of computer architectures and a solid understanding of mapping code to hardware instructions
- Proficiency in modern C and experience with offloading, safety, and security
- Proven track record in building high-performance and fault-tolerant systems for 3+ years
- Adherence to project plans and industry standards (best practice, safety, efficiency) is common practice for you
- You are comfortable in standard software engineering tools (GitLab, Jira)
- You work transparently and effectively
- You are fluent in spoken and written English and are happy to communicate with the team and external partners across national and cultural borders

## Benefits

### WHAT WE OFFER

- A committed and open team with an appreciative attitude atmosphere
- Do you want to get deep into your topic? Do you love thinking outside the box and want to gain new insights? We support you on both paths
- Further development through personal and professional measures
- You participate in the success of a traditional, international company
- Flat hierarchies, a high degree of flexibility, interesting contact opportunities and insights into other areas included

When interested in the vacancy, feel free to reach out to Jochen Büscher:  
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