

**FibR GmbH**

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Fabrication:  
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**Registration**

Amtsgericht Stuttgart HRB 761335

**Date**

07.07.2021

## Digital Design and Fabrication Expert

### Career Opportunity

**Company Description:**

FibR GmbH is a specialist company for computational design and robotic fabrication of bespoke fiber composite structures. We enable the exploration of a novel design and construction repertoire for expressive high-performance lightweight structures. Applications of our digital design and fabrication technology include building construction such as structures and facades, modular lightweight systems for trade fairs and exhibitions, as well as furniture and products. We offer our expertise across all project phases from concept development, construction detailing to robotic production and installation of fiber composite structures.

Our company is located in Stuttgart, the capital of Germany's southwest and one of Europe's leading regions in high-tech innovation with a long history in lightweight construction. Our 500m<sup>2</sup> robotic fabrication setup and design office is located in Kernen, only 15min from Stuttgart main station by car or public transport.

**Position Overview**

This position offers insight into all fields of operation at FibR ranging from realization of large architectural structures and facades to small scale prototype developments. All of these are developed in an integrative way, allowing for a diverse and dynamic work environment at the intersection of design, robotic fabrication and on-site realization.

We are searching for open minded, reliable and motivated team members who excel in a multidisciplinary environment and share our passion for innovation, design exploration as well as our hands-on maker mentality.

The work requires development of a deep understanding of material and process specific fabrication parameters and how they can be utilized as design drivers for our expressive high-performance structures. This role presents the unique opportunity for fluid switches between digital and physical work environments which requires proficiency in design software such as Rhino / Grasshopper as well as craftsmanship and digital fabrication experience.

**Responsibilities and specific duties**

- Robot programming and operation
- Construction detailing
- Fabrication informed design
- Continuous development of our fabrication and design strategies
- Research and development
- Individual responsibility for small to medium sized projects
- Reliable cooperation and communication with external project partners
- Coordinate fabrication shifts
- Hands on support in the entire fabrication process

## Required skills and qualifications

- Parametric 3D modeling proficiency with Rhino, Grasshopper and Python
- Experience in physical modeling and prototyping
- General knowledge of digital fabrication techniques
- Specific knowledge about robot programming
- Working experience with Adobe software such as Photoshop, Illustrator, InDesign
- Ability to work in an innovative, multidisciplinary, collaborative environment
- Graduate degree in Architecture or related field at the intersection of design and technology
- Ability to read and understand construction documents
- Strong organizational and co-ordination skills
- Reliability, good spirit and motivated work ethos
- English and/or German language skills

## Optional qualifications

- Driving license
- Robot operation license
- Knowledge about fiber composite materials

## What we offer

Motivated work environment, diverse tasks, challenges and projects, opportunity to gradually take responsibility in a fast growing, young company.

## Application process

Applicants will be reviewed in a multi-step process. Shortlisted candidates will first be invited for a skype/phone interview before meeting the team in Stuttgart/Kernen. Please send your application to [careers@fibr.tech](mailto:careers@fibr.tech) by **July 25<sup>th</sup> 2021**.

Your application should contain the following documents:

- CV and portfolio
- Reference letter
- Reference contact person(s)

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FibR welcomes applications from all people regardless of ethnic origin, nationality, religion, belief, gender, age, disability, appearance and/or sexual identity. We are committed to the principle of treating all applicants fairly and avoiding discrimination.