



Techpreneur Software Engineer

Location: Hybrid set up (remote work from home with travel to our offices in Pirmasens, DE & Cambridge, UK)

Contract: Full Time, Permanent

Salary: Competitive

Who are we?

Computational Modelling Pirmasens GmbH (CMPG), based in Pirmasens, Germany, is a subsidiary of Computational Modelling Cambridge Ltd. (CMCL). CMCL is an award-winning research-driven company offering digital engineering software and services to industry (smart infrastructure, automotive, energy, materials, chemical, etc.), research organisations and governments. Both CMPG and CMCL collaborate closely with top research organisations such as the University of Cambridge and Cambridge CARES in Singapore. Our diverse team comprises scientists and engineers working in a vibrant environment with great opportunities for knowledge and skills development.

Who are we looking for?

We are seeking a talented and creative individual for the position of Techpreneur Software Engineer at CMPG. This role presents an exciting opportunity to contribute to the advancement of digitalisation and reduction of emissions footprint by leveraging our company's expertise and technological advancements. The successful candidate, as part of the R&D team we are establishing in Germany, will play a key role in delivering innovative solutions in digital engineering, including areas such as interoperability, ontology engineering, industry 4.0, industrial internet of things, cross-domain decision support, as well as machine learning (ML) and artificial intelligence (AI). In addition to software development, the role involves contributing to project administration and business development efforts. Ideal candidates will be enthusiastic about solving scientific problems with software and possess a strong desire to make meaningful contributions to our industrial customer base.

You will:

- Directly contribute to the design, development, and application of our flagship technology, The World Avatar™
- Use cutting-edge technology to deliver novel solutions to customer problems
- Create, document, and maintain high-quality code for fellow developers and users
- Develop collaborative R&D proposals with industry, academia, and research community
- Identify growth opportunities, generate leads and establish strong relationships with customer
- Collaborate in team discussions, workshops, and brainstorming sessions to contribute to innovative ideas and solutions
- Support projects not only from a technical standpoint but also from project management and administrative perspectives.
- Regularly communicate and report to the head office in Cambridge, UK



What skills do you have?

- Postgraduate degree in a STEM field
- You have actively developed software using object-oriented programming (e.g. Java)
- You regularly use at least one scripting language (e.g. Python) to manipulate and visualise data
- Good knowledge of computational models or numerical methods including ML and IoT
- You can demonstrate excellent documentation practices and reporting of technical work
- You are well-organised and able to work to deadlines in a dynamic, technical environment
- Fluency in German and English with the ability to communicate technical concepts

What would really help?

- Experience leading or supervising team members or researchers
- Solid understanding of Machine Learning/AI algorithms and techniques
- Ability to collaborate effectively with cross-functional teams, communicate technical concepts to non-technical stakeholders, and build strong relationships internally and externally.
- Knowledge of ontologies and their use in semantic web applications
- You are comfortable using version control systems (Git) and Unix environments

What can we offer you?

- Exciting entrepreneurial and technical opportunity to develop professionally while contributing to the establishment and growth of a digital business.
- A diverse and committed team within a fantastic office environment
- A competitive salary, in line with your skills and experience

How to apply

If you meet the above criteria and are an **EU resident or hold a valid work permit**, please send your **CV and cover letter** (summarising your most relevant experience and skills and any examples of your work) to careers@cmpg.io. Please send all correspondence **by email**.

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