



To strengthen our Algorithm team in Corporate Research & Technology at our sites in Oberkochen, Jena or Munich, we have an immediate opening for a

Software Architect for Computer Vision Applications (m/f)

You will

- design the architecture of our algorithm pipelines that extract information from diverse data sources present across our complete product portfolio
- continuously support technology adoption and integration into our flagship products. This comprises design of sustainable software architectures and development processes that facilitate cross-OS development, steering of external development partners as well as implementation of features.
- shape the future of ZEISS. We have just started to scrape the surface of what can be done with the data our products deliver. You will contribute to realizing the prospects of machine learning, modern computer vision for our customers, as ZEISS continues exploring the data domains of its product portfolio.
- build an excellent network with partners in industry and startups that will help ZEISS to leverage the latest technology advancements in order to address tomorrow's challenges

You have

- a B.Sc. or M.Sc. in Computer Science with specialization in Software Engineering, Software Architecture or equivalent practical experience. You have multiple years of industrial experience and a proven track record of successful projects.
- a solid understanding of object oriented and modular software design, common architecture principles and micro service architectures
- a strong programming background (Python, C++) and familiarity with toolkits such as numpy, boost, OpenCV, ITK and a working knowledge of software development, deployment methods and cloud stacks. Parallelization skills (CUDA, OpenCL, OpenMP, etc) or background in Deep Learning (e.g. Tensorflow) are definitely a plus.
- an innovative, proactive and decidedly hands-on mindset: you love to drive continuous improvements and you make solutions work in the real world, too
- the ability to communicate your results, challenges and solution successfully across a multidisciplinary and multicultural team
- the understanding of the difference of ground-breaking prototype code and production-ready code and love to bridge the gap

With more than 25,000 employees, ZEISS is one of the global leaders in the optical and optoelectronic industries and has been contributing to technological progress for 170 years. ZEISS develops and distributes lithography optics, measuring technology, microscopes, medical technology, eyeglass lenses, camera and cine lenses, binoculars and planetarium technology.

If you are interested in this position, please send us your application using the link at the bottom of this page, indicating your earliest possible entry date.