

# Assistant Professor of Computer Science (Scalable Data Processing Systems)

Company:

**Constructor University**

Location:

**Germany / Bremen**

Discipline:

**Computer Science (Scalable Data Processing Systems)**

Employment Type:

**Permanent Full-time**

Posted:

**17/01/2025**

Contact Person:

**If you wish to apply for this position, please specify that you saw it on AKADEUS.**

Constructor University (formerly Jacobs University) is a private, state-accredited, English-language university in Bremen. We offer Bachelor, Master, and PhD programs in three schools: School of Science, School of Computer Science and Engineering, and School of Business, Social and Decision Sciences. Our principles are first-class teaching and research, international diversity, and transdisciplinary cooperation. According to the 2024 Times Higher Education (THE) World University Rankings, Constructor University is among the top 25 percent out of more than 1900 universities worldwide and is ranked as the second most international university in the world. As an international university, we attract highly talented and open-minded students from all over the world. Currently, over 1,600 students from 110 nations live and study on our residential campus.

The university is currently driving an ambitious expansion of the School of Computer Science and Engineering. In this context, a new academic position at the Assistant Professor level (tenure-track) has been opened. Accordingly, Constructor University invites applications from interested candidates for the following position, to be filled ideally by August 2025:

## **Assistant Professor of Computer Science (Scalable Data Processing Systems) (m/f/d)**

**(full time; 38.5 hrs./week; tenure track)**

## **Your responsibilities:**

You will support our research and teaching activities in the field of Computer Science by establishing an independent research group focusing on research topics related to Scalable Data Processing Systems. Possible areas of interest are:

- NoSQL Databases
- Database Management and Systems
- Data Warehousing and Mining
- Cloud Computing and Big Data Technologies
- Remote Access and Edge Computing
- Data-Driven Software Systems and Analytics
- Distributed and Parallel Databases
- Information Systems, e.g., Learning Management Systems (LMS)
- Spatial-Temporal Data Management, e.g., Geo-Information-Systems (GIS)
- Machine Learning for Database Optimization and Query Processing

The successful candidate is expected to support teaching in Computer Science at the Bachelor and Master level (for example Database Management Systems, Advanced Database Systems, Data Warehousing and Big Data Technologies, Cloud Computing Fundamentals); as well as develop and implement innovative, pedagogically sound approaches to online, hybrid and in-person teaching and learning; advise students on their studies; and supervise Bachelor, Master's and PhD theses and research projects.

The university is highly supportive of junior faculty, providing both formal and informal mentoring, administrative support, as well as a flexible budget for establishing an internationally visible research group. Several opportunities exist to develop multidisciplinary research projects in collaboration with other research groups or our industrial partners, including collaborations in emerging fields such as the use of artificial intelligence in the natural sciences.

## **Your qualifications and experience:**

- PhD in Computer Science, Data Science, or a closely related discipline
- A proven track record of research in areas such as database systems, database systems, data science, or cloud computing, demonstrated by high-quality publications
- Experience teaching in higher education with a commitment to innovation in curriculum design and delivery, including online and hybrid modes
- Demonstrable experience in leading or collaborating on funded research projects,

with a focus on interdisciplinary approaches and real-world applications

- Strong communication skills, both verbal and written, and experience in mentoring students across undergraduate and graduate levels
- Fluency in English, the language of instruction and communication on campus

### **What you can expect:**

Constructor University unequivocally guarantees the academic freedom of every member of the faculty, as well as every other member of the Constructor University community. We encourage diversity in the University in ethnic, cultural, social, religious, political, and national backgrounds, as well as in individual lifestyle. Constructor University offers full equality of opportunity to all qualified applicants and is an equal opportunity employer.

Constructor University consistently achieves top results in national and international university rankings.

In the CHE Ranking, the most comprehensive and detailed ranking of the German-speaking higher education landscape, Constructor University has achieved top placements every year since its first participation in 2005.

- The result counts: trust working hours for work-life balance
- Possibility to work remotely
- Individual on-boarding, career- and development planning
- Company fitness program offers with EGYM Well Pass (former Qualitrain)
- Green campus with recreation areas, take the tour:  
<https://info.constructor.university/campustour/>
- Constructor University has extensive programs on sustainability and environmental sustainability

### **Your application:**

For any further information regarding this position, please contact Prof. Alexander Omelchenko, via Mail ([omelchenko@constructor.university](mailto:omelchenko@constructor.university)) or [job-application@constructor.university](mailto:job-application@constructor.university).

Apply today - it's simple and uncomplicated. We look forward to getting to know you.

Please upload your documents in a single PDF document, including a letter of motivation stating your field of expertise, curriculum vitae, teaching portfolio and publication record, copies of certificates and diplomas, certification of English proficiency (optional), and the names and addresses of two referees in our application management system.

**[Apply](#)**

The position offered is tenure track, with review of performance after a first contract of three and a second contract after another three years. Successful evaluation leads to permanence and typically promotion to associate professor level.

The review of applications will begin immediately until 14.02.2025. Please note that only applications submitted through the official application portal will be considered for recognition.

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