

Senior HPC Systems Engineer (m/f/d)

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Fulltime, 40 hours per week, Vienna

The main tasks on the scientific computing cluster are related to genome-wide proteomics, human genome next generation sequencing, large-scale statistical modeling, and AI.

We are looking for a Senior HPC Systems Engineer experienced in deploying and configuring complex open source packages, and in managing cluster schedulers. A solid background in Linux, scripting and parallel file systems is mandatory.

Your role

- Deploy and maintains the Scientific Computing's computational and data science ecosystem with GPUs, high bandwidth, low latency interconnects, large memory nodes, scientific workflows, and 2.5 petabytes of storage in a production environment.
- Troubleshoot and resolve technical issues including systems, hardware, application software, and networking.
- Design, develop, implement system administration tasks, including hardware and software configuration, configuration management, networking and metrics.
- Actively monitor the systems.
- Answer and resolve user tickets.

Environment

- Dell nodes: Ice Lake and Sapphire Rapids CPUs: totaling approximately 1,000 cores with 48 TB RAM
- EDR Infiniband interconnects
- Lustre: 2 Fileservers 2 Metadata Server 2.5 PB net capacity
- GPUs: three nodes with one NVIDIA L4: 24GB GPU memory, four nodes with two NVIDIA H100 PCIe: 94GB GPU memory each, and one node with NVIDIA HGX™ H100: four GPUs each with 80GB GPU memory

Your profile

- Bachelor's degree in computer science, engineering or another scientific field. Master's or PhD preferred.

- 4+ years (higher preferred) of HPC (High Performance Computing) system administration and operations.
- Solid foundation in Linux system administration and scripting (e.g., bash, python).
- Experienced with a job scheduler such as Slurm
- Experienced with parallel file systems and storage. Lustre is preferred
- Experience with configuration management and orchestration software. BCM is preferred
- Experience with reproducible software installations is preferred
- Experience with Infiniband is preferred.
- Experience with GPUs is preferred.
- Experience with containers is preferred.
- Experience with version control such as git is preferred.
- Expert troubleshooter.
- Ability to multitask effectively in a dynamic environment.
- Team player and customer focused.
- Excellent communication skills and analytical ability.

About CeMM

The mission of CeMM, the Research Center for Molecular Medicine of the Austrian Academy of Sciences, is to achieve maximum scientific innovation in molecular medicine for the improvement of health care. CeMM is an international research institute and a founding member of EU-LIFE, an alliance of leading European life science institutes. At CeMM, an international and creative team of scientists and physicians pursue free basic research in the life sciences in a large and vibrant hospital environment with an outstanding medical tradition and practice. CeMM's research is based on post-genomic technologies and focuses on diseases of major societal importance, such as immune and infectious diseases, cancer, aging, and metabolic disorders. CeMM operates in a unique mode of super-collaboration, linking biology with medicine, experimentation with computation, discovery with translation, and science with society and the arts.

CeMM is a proud recipient of the HR Excellence in Research Award (HRS4R). This award demonstrates that CeMM cares about the well-being of its staff, that the recruitment process is open, fair, and transparent, and that CeMM provides professional appraisals and career development procedures. CeMM employs more than 300 members, including auxiliary groups, from 49 nationalities. The working language is English. The Institute promotes equal opportunities and is home to a mix of different talents, backgrounds, and competencies.

We offer

www.cemm.at

- Work in an experienced, interdisciplinary, and international team in one of Europe's leading research institutes.
- Plenty of opportunities to contribute and gain experience in a key area of biomedical research and precision medicine.
- A wide range of social, cultural and sports activities are organized by the Institute.
- Excellent benefits including full insurance coverage (health, accident, pension), healthcare services, subsidized company cafeteria.
- Minimum gross monthly salary of EUR 4,500 paid 14 times a year

- Normal working week is 40 hours. Core working time is the working time during which the employee must be present at the workplace. Monday to Thursday from 09:00 to 15:00 and Friday from 09:00 to 13:00. A maximum of 1 home office day per calendar week may be used.
- This role is based in Vienna, Austria. You will be required to relocate if you are based elsewhere, and you will receive a generous relocation allowance to support you.

Applications details

Please apply online: <https://cemm.onlyfy.jobs/job/g42of0z7> your CV , cover letter and the contact details of 2 referees.

Additional information

City	Vienna
Position type	Full-time employee
Start of work	01.10.2025

Responsible

Memo Mokhles

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