NOVARTIS

HPC / AI Infrastructure Engineer

Job ID
REQ-10091085
Nov 05, 2026
LOC_MX

About the Role

Key Responsibilities:

- Be the High Performance Computing (HPC) expert for Novartis Core Infrastructure Services team and perform the operational health deployment and lifecycle of HPC technology
- Design innovative solutions utilizing projects and qualification frameworks to run and optimize our complex infrastructures.
- Act as technical and organizational escalation point during major and critical incidents.
- Responsible to track suppliers and partner for effective and efficient delivery of projects
- Contribute to service / platform strategy development

Essential Requirements:

- 6+ years' experience in IT, of which 3+ years experience in an HPC/scientific computing environment
- Bachelor's degree in Computer Science or related discipline, or equivalent industry experience
- Experience designing and building infrastructure within a public cloud platform (e.g. AWS, GCP or Azure) as they relate to HPC workloads
- Hands-on experience with system administrative task in Linux environment, and fluency in scripting (shell scripting in bash required, Python knowledge would be advantageous)
- Ability to build software from sources including knowledge of build systems (e.g. Make, CMake...)
- Extensive knowledge of one or more HPC scheduling mechanisms (e.g. Grid Engine, Slurm, LSF... etc.)
- Extensive knowledge of one or more HPC cluster management software packages (e.g. Bright Cluster Manager / Base Command Manager, xCat, OpenHPC… etc.)
- Solid knowledge of computer architectures and multi-threaded/parallel processing applications
- Hands-on knowledge of network and distributed filesystems (e.g. NFS, GPFS, Gluster, BeeGFS, Lustre or other parallel file systems, etc.)
- Experience in environments with high speed / low latency network (e.g. InfiniBand)
- Strong knowledge of Unix systems performance tuning
- Experience with shared memory and/or GPU and/or distributed memory computation jobs
- Working knowledge of DevOps (e.g. Ansible, Chef, CICD etc.) tools and practices
- Exceptional service orientation, excellent problem-solving abilities, keen attention to detail.
- Excellent communication skills in English, good collaboration skills and strong curiosity to keep learning and developing

- undefined

Desirable requirements:

- Experience setting up, maintaining, and tuning infrastructure for AI/ML workloads
- Experience with HPC infrastructure supporting a scientific / research / pharmaceutical / bioinformatics / cheminformatics environment

Commitment to Diversity & Inclusion:

We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

Why Novartis?
Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here:
https://www.novartis.com/about/strategy/people-and-culture

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:
https://talentnetwork.novartis.com/network

Accessibility and accommodation:
Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Role Requirements

Division
DIV_TO
Business Unit
Information Technology
Location
LOC_MX
Site
INSURGENTES
Company / Legal Entity
MX06 (FCRS = MX006) Novartis Farmacéutica S.A. de C.V.
Functional Area
FCT_IT
Job Type
Full time
Employment Type
Regular
Shift Work
No
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