NOVARTIS

HPC Infrastructure Services Specialist

Job ID
REQ-10020409
Sep 24, 2024
Czech Republic

About the Role

Location: Prague / Mexico City (Hybrid)

Novartis is unable to provide relocation expenses.

Major accountabilities:

- High Performance Computing (HPC) Specialist for Novartis Core Infrastructure Services team performs the operational health deployment and lifecycle of HPC technology
- Designs 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
- Contributes to service / platform strategy development

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

What you'll bring to the role

- 3+ years' experience within an HPC/scientific computing environment and Associate's degree in computer science or equivalent industry experience.
- Hands-on experience with system administrative task in Linux environment, and fluency in scripting (shell scripting in bash required, Python knowledge would be advantageous). Able to build software from sources including knowledge of build systems (e.g. Make, CMake...)
- Knowledge of one or more HPC scheduling mechanisms (e.g. Grid Engine, Slurm, LSF...) ; computer architectures and multi-threaded/parallel processing applications; Strong knowledge of Unix systems performance tuning.
- Hands-on knowledge of network- and distributed filesystems (e.g. NFS, Lustre or other parallel file systems, etc.). Worked in environments with highspeed / low latency network (e.g. InfiniBand, MPI etc.)
- Experience with shared memory and/or GPU and/or distributed memory computation jobs
- Exceptional service orientation, excellent problem-solving abilities, keen attention to detail and Fluent English speaker

Desired:

- 5+ years' experience within an HPC/scientific computing environment
- Working knowledge of DevOps tools and practices (e.g. Ansible, Chef, CI/CD etc.) Experience designing and building infrastructure within a public cloud platform (e.g. AWS, GCP or Azure)

Role Requirements

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? https://www.novartis.com/about/strategy/people-and-culture

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we'll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards

Division
Operations
Business Unit
CTS
Location
Czech Republic
Site
Prague
Company / Legal Entity
CZ02 (FCRS = CZ002) Novartis s.r.o
Alternative Location 1
Mexico
Functional Area
Technology Transformation
Job Type
Full time
Employment Type
Regular
Shift Work
No
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HPC Infrastructure Services Specialist

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