Assoc. Dir. DDIT IES - HPC Infrastructure Sr. Engineer

Job ID
REQ-10050665

2   17, 2026

Mexico

The HPC Infrastructure Services (Senior) Engineer executes and ensures service deployments and management to enable modern delivery flows of High-Performance Computing solutions.

About the Role

Job Description

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

- 6+ years' IT experience, of which at least 3 in an HPC/scientific computing environment
- Associate's degree in computer science or related field, 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)
- Can 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.)
- Worked 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
- Desired: experience setting up, maintaining, and tuning infrastructure for AI/ML workloads
- Desired: experience with HPC infrastructure supporting a scientific / research / pharmaceutical / bioinformatics / cheminformatics environment
- Exceptional service orientation, excellent problem-solving abilities, keen attention to detail.
- Fluent English speaker

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

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

Operations

Business Unit
Information Technology

Mexico

INSURGENTES

Company / Legal Entity
MX06 (FCRS = MX006) Novartis Farmacé utica S.A. de C.V.

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

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