Principal Systems Architect - Scientific Computing

Job ID: 201908-124667

Job Function
IT Architecture

Schedule
Full time

Location
South San Francisco
California
United States of America

Job type
Regular

Company/Division
Pharmaceuticals

Job Level
Individual contributor

The Position

Job Overview

The gRED IT Scientific Computing team is expanding and seeks talented and motivated High Performance Computing (HPC) engineers that wish to deliver the transformational scientific computing capabilities required to discover groundbreaking therapeutics. We are hiring at several levels including senior and principal engineer.

Applicants should have a learning mindset, be able to work in a fluid environment, and have a strong desire to pursue creative solutions to challenging problems.

This role will utilize and build on your experience in HPC application management and packaging, job schedulers, workflow performance tuning, parallel file systems, Linux computing environments, and DevOps/automation.

Who You Are

- You have a Bachelor's degree or higher, perhaps in information systems, engineering, computer science, or another scientific field.
- You have at least 3-5 years of experience with Linux computing environments, and strong system and storage administration skills.
- You are comfortable with scripting and/or general purpose programming languages. We primarily use bash and Python.
- You are comfortable working with software version control systems. We use git.
- You are comfortable working across the full HPC software stack. Our technologies include EasyBuild, Lmod, Slurm, LSF, GPFS, NFS (Isilon), Grafana and Ganglia.
- You have experience with, or interest in accelerator computing with Nvidia GPUs.
- You have experience with, or interest in specialty application and development stacks including Python, R, and machine learning frameworks.

- You have excellent interpersonal skills with your own team, technical IT partners, and customers
- You are able to present your work, both verbally and in writing, to diverse audiences including customers, technical colleagues, and management.
- You have experience and are comfortable performing many roles on a team including individual contributor, leader, analyst, or project manager.
- You are comfortable working in a scientific environment, especially one that is related to drug development.

This position is based in South San Francisco and is not eligible for relocation.

#LI-CGLN1

#AfroTech19

Who We Are

A member of the Roche Group, Genentech has been at the forefront of the biotechnology industry for more than 40 years, using human genetic information to develop novel medicines for serious and life-threatening diseases. Genentech has multiple therapies on the market for cancer & other serious illnesses. Please take this opportunity to learn about Genentech where we believe that our employees are our most important asset & are dedicated to remaining a great place to work.

Genentech is an equal opportunity employer & prohibits unlawful discrimination based on race, color, religion, gender, sexual orientation, gender identity/expression, national origin/ancestry, age, disability, marital & veteran status. For more information about equal employment opportunity, visit our Genentech Careers page.