

Associate Director, Technology and Scientific Computing

Job ID
REQ-10042950
Mar 19, 2025
India

Summary

100,000+ unique, curious, and empowered individuals inspired by our purpose.

This role will join a team developing scientific computing products relying on open-source tools and agile methodologies for supporting clinical trial reporting and data science activities. The team has high visibility within the organization and is engaged in high priority strategic initiatives with a user-centric mindset.

The role requires a blend of hands on programming activities as well as aspects of Product Management (e.g. stakeholder management, prioritization, actioning user feedback, sprint planning). You will work as part of an interdisciplinary team to develop solutions and tools as well as metrics and procedures to capture and disseminate the usage of open-source based technologies, enabling associates working on analyses and reporting activities in clinical trials. This will involve working across our organization to gain an appreciation of the user experience today to ensure we are delivering progress in high impact areas while modernizing how we work.

About the Role

Major accountabilities:

- **Lead the development of technical tools (packages, applications, etc.) to capture and catalog the current usage of internally developed products based on open-source technology, particularly in the GxP setting, to support a stewardship model for new development, maintenance and retirement of products.**
- **Work with stakeholders to identify products and drive the stewardship model, creating new opportunities for continuous improvement and modernization in our processes. This will include synthesizing requirements and matching them to existing internal or external products to steer away from re-development.**

- **Create new metrics to demonstrate the impact of the stewardship model in improving efficiency.**
- **Play a key role in supporting the agile development cycle, from gathering user requirements, prototyping to production release to demos to training and support.**
- **Help drive the culture of open-source development through engagement in external communities to best leverage open-source for internal usage.**
- **Coach junior team members in technical topics and best practices (e.g. R package development, agile development, managing environments).**

Minimum requirements:

- **MSc in a quantitative / computational science (e.g. bioinformatics, machine learning, statistics, physics, mathematics, engineering)**
- **5 to 10 years of experience in using open-source language/s (R or Python) to develop tools for data analytics in an industry setting.**
- **5 years of experience with project management. Able to work effectively and efficiently toward goals in a complex, diverse environment with multiple and changing demands.**
- **Experience in taking R packages from prototypes towards production standard.**
- **Experience in the development of applications / dashboards / websites (Shiny, JavaScript, Quarto, etc.) that can help communication complex topics (e.g. data visualization, technical training)**

- **Depth of knowledge in good software development practices (virtual environments, versioning, code review etc.) with experience of embedding these in the day-to-day work of a team.**
- **Experience in using tools like JIRA, git, virtual whiteboards to plan, collaborate and track progress.**
- **Solution-oriented mindset with a collaborative spirit.**
- **Good written English.**

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If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here:

<https://talentnetwork.novartis.com/network>.

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?

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Division

Development

Business Unit

Innovative Medicines

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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

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