

Full Stack Developer

Job ID

REQ-10050540

May 09, 2025

Ireland

Summary

We are looking for a Full Stack Developer to join our Technology and Scientific Computing team!

As our Full Stack Developer, you'll work closely with teams who analyse and report clinical trials. We have the exciting opportunity to bring modern technologies, processes and ways of working on a cutting-edge, cloud-based platform. The role will involve development across the entire technology stack (front-end, back-end and databases) with strong focus on collaboration, design and best practices.

About the Role

Your responsibilities include, but are not limited to:

- End-to-end design choices: Help guide end-to-end design choices holistically.
- Front-end: design and implement intuitive, user-friendly interfaces tailored for clinical trial stakeholders (e.g., statistical programmers, biostatisticians).
- Back-end: work closely with statistical engineers to embed their R-based tooling into our products
- Database Management: design and implement efficient and scalable approaches for managing app artifacts to enable user management and persistent activity and progress management.
- Deployment: build and deploy large, complex analytical web applications i.e. with page routing, authentication, and complex client and server state management.
- Testing: develop end-to-end testing that is embedding within an automated CI/CD pipeline.
- Collaborate: strong appetite to collaborate with end users with diverse skill sets to learn about their requirements and use cases and feed this back into product development
- Continuous Improvement: work with developers to identify opportunities for continuous improvement in the design and development of our products.
- Problem-solving Skills: demonstrated ability to contribute to the analysis of complex problems, identify potential solutions, and implement effective outcomes.

Essential Requirements:

- BSc / MSc in a quantitative/computational science (e.g., computer science, machine learning, statistics, physics, mathematics) or equivalent experience in a relevant field.
- 3+ years of experience in developing and deploying applications with significant quality and business impact.
- High proficiency in HTML, Javascript, CSS and React.
- Experience using modern styling frameworks and component libraries (e.g. Tailwind CSS).
- Experience in back-end languages such as Python and Node.js,
- Strong RESTful API development skills (e.g. Flask, Django, ExpressJS, Hono, Plumber).

- Testing mindset with experience developing end-to-end tests (e.g Cypress JS, Jest, Mocha, Vitest) and automating these used git-based CI/CD.
- Experience in designing efficient databases (e.g. PostgreSQL) and their ongoing maintenance.
- Exposure to using containers (e.g. docker) and orchestration tools such as Kubernetes and OpenShift.
- Knowledge of an open-source data-science language (R/Julia/Python).
- Good understanding of good software development practices (e.g., agile development, code review) and tools (containers, git, CI/CD).
- Solution-oriented mindset with a collaborative spirit.
- Good written English communication skills.

Desirable Qualifications:

- Experience using R for analytical / data-science use cases.
- Exposure to R Shiny for data visualization.
- Understanding of regulatory requirements (e.g., GxP) and computer system validation principles.

You'll receive:

Competitive salary, Annual bonus, Pension scheme, Share scheme, Health insurance, 25 days annual leave, Flexible working arrangements, subsidized dining facilities, Employee recognition scheme, learning and development opportunities.

Commitment to Diversity & Inclusion:

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

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 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? <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>

Development
Business Unit
Innovative Medicines
Location
Ireland
Site
Dublin (NOCC)
Company / Legal Entity
IE02 (FCRS = IE002) Novartis Ireland Ltd
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No
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