

# **Architect Software Engineering**

Job ID 384517BR Apr 25, 2024 India

### **Summary**

-Responsible for scientific data analysis, applications, architecture, support, system engineering, etc. The individual typically designs or works with informatics solutions specifically for Research. The role requires expertise in Informatics and/or Informatics Systems with a good knowledge of Research

#### **About the Role**

Role Title: Architect Software Engineering

Location: Hyderabad

#### About the Role:

As an Architect in Software Engineering team within NIBR's 400-people strong Informatics organization (NX), you will be responsible for designing and developing a next generation of software tools. Working in a highly collaborative environment, you will partner with other architects, engineers, product managers, user researchers, data scientists and global discovery project teams to drive product innovation and launch new capabilities that enable scalable, secure and intuitive access to research data by NIBR's global scientific community.

#### Key Responsibilities:

- Develop state-of-the-art software tools and methodologies to support the discovery process across the entire design-make-test-analyze cycle
- Play a lead role in the design and development of tools and technologies for integrating, processing, analyzing and visualizing data at scale
- Partner closely with users and cross-functional product teams to translate business needs into powerful, functional and beautiful products
- Provide consultancy around software tools and methodologies and suggest innovative ways to leverage internal and external data
- Write production quality code and offer assistance and expertise to your teammates while implementing your own ideas
- Participate in the full development cycle from product inception, research and prototyping to release in production
- Embrace and promote agile development principles and best practices for software development
- Demonstrate strong technical and thought leadership and ability to influence and guide the work of others

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.

#### Role Requirements:

#### **Essential Requirements:**

- BS in computer science, information systems, life sciences or related field (advanced degree preferred) and at least 10 years of hands-on software development experience post BS (may include academic training)
- Extensive experience with modern programming languages (Java, Python, Javascript, Typescript ...), operating systems and software development environments. Experience with relational and non-relational databases (Postgres, Oracle, DynamoDB)
- Experience in web service development (e.g. Flask, NestJS) and with both REST and GraphQL service architectures. Extensive experience building and deployment software in cloud environments (preferably AWS)
- Familiarity with containerization and virtualization technology, including the use of Docker and containers to modularize and deploy complex services and web applications
- Agile software delivery processes, focused on git and using "gitops" and "trunk-based deployment" approaches to software delivery and infrastructure-as-code
- Proven track record in delivering industry-grade software solutions with a focus on performance, quality and reliability
- · Ability to design and deliver solutions proactively, independently and with minimal supervision
- Collaborative mindset and team spirit. Well-structured working style with open and clear communication that enables effective collaboration across multiple teams, sites and time zones and Strong customer focus and interpersonal skills
- Attention to detail and passion for the end-user experience

#### Preferred Experience:

- Experience in life sciences and pharmaceutical R&D
- Experience with Azure or other non-AWS cloud platforms
- Working knowledge of OAuth2 for modern authentication / authorization
- Hands-on experience with cluster container deployment solutions (Kubernetes, AWS ECS)
- Experience with development processes, projects and repositories (e.g. JIRA, Bitbucket, Jenkins, CI/CD, Confluence)

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#### Commitment to Diversity and Inclusion:

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Division

Biomedical Research

**Business Unit** 

**Pharmaceuticals** 

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

Nο

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