

# Associate Director, DDIT US&I Data Architect

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REQ-10032485  
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India

## Summary

Associate Director, DDIT US&I Data Architect - This role at Novartis involves leading the design and implementation of data architecture solutions within the Data Digital and IT (DDIT) function. Here are some key aspects of the job:

### Role Purpose:

- **Strategic Leadership:** Develop and implement data architecture solutions that align with business strategies and drive innovation.
- **Technical Expertise:** Utilize advanced data architecture frameworks and tools to deliver high-quality solutions.
- **Oversee architectural activities** for a US&I Analytics Capabilities domain (GenAI, AIMLOps, NLP, Visualization) and manage the development of solution architectures for projects or programs within the US&I DAI business area.
- **Coordinate with other teams** to ensure the right business and technical capabilities are incorporated into the solution with an appropriate scaling model for future capacity increases.
- **Ensure business processes, requirements & outcomes** are defined to drive the analytics platform architecture definition.
- **Define standards and direction of architecture** in the specific business or technical domain.
- **Define and develop the logical design and information management strategies** necessary to store, move, and manage data in a new target state.
- **Utilize architecture patterns** to suggest the most adequate utilization of Data and analytics technical platforms to support the holistic DAI solution architecture design.
- **Define, create, and evolve the Architecture Governance Framework** (e.g., architecture methods, practices, and standards) for IT.
- **Incubate and adopt emerging technologies** and launch products/services faster with rapid prototyping & iterative methods to prove and establish value. For identified technologies, launch to enterprise scale, ensuring value is derived.
- **Focus and align innovation efforts** with the Business strategy, IT strategy, and legal/regulatory requirements.
- **Establish and update strategies, implementation plans, and value cases** to implement emerging technologies.
- **Drive innovation using appropriate people, processes, partners, and tools.**

## About the Role

### Key Responsibilities:

- **Solution Design:** Architect and design data solutions using tools like AWS, Snowflake, and Databricks.

- Project Management: Oversee the delivery of data lake projects, including data acquisition, quality, transformation, and publishing.
- Collaboration: Work closely with business stakeholders to understand requirements and deliver solutions that meet their needs.
- Innovation: Stay updated with industry trends and emerging technologies to drive continuous improvement.
- Emerging Technology Monitoring, Consulting, Influencing & persuading, Unbossed Leadership, IT governance, building High Performing Teams, Vendor Management, Innovative & Analytical Technologies.
- Leveraging Technology for business and customer needs.
- Solid understanding of Analytical and technical frameworks for descriptive and prescriptive analytics.
- Awareness of integration patterns across MDM/RDM and transactional systems.
- Production experience delivering data lake projects, including data acquisition, quality, transformation, and publishing.
- Strong exposure to data security and governance policy definitions and enforcement capabilities.
- Data product-centric approach to defining solutions. Collaborate with business in gathering requirements, grooming product backlogs, driving delivery, and ongoing data product enhancements.
- Agile delivery experience managing multiple concurrent delivery cycles.
- Sound foundation in Analytical Data life cycle management.
- Awareness of Data product change Management and risk mitigation.

#### Key Performance Indicators:

- Achieved targets in Enterprise business case contribution, KPIs, customer satisfaction, and innovation measures
- Business capability, vision & strategy clearly defined, communicated, and executed, well aligned to business strategy and Enterprise IT strategy, and providing a competitive advantage to Novartis
- Role model with the highest standards of professional conduct in leading the business capability area in line with the new IT operating model
- Deployment of digital platforms and services at scale to deliver the digital strategy
- Operational Efficiency
  - Data Processing Time: Average time taken to process and make data available for analysis.
  - System Uptime: Percentage of time the data systems are operational and available.
- Stakeholder Satisfaction:
  - Stakeholder Feedback Score: Ratings from internal stakeholders on the usefulness and accessibility of data.
  - Issue Resolution Time: Average time taken to resolve data-related issues reported by stakeholders.
- Innovation and Improvement:
  - Implementation of New Technologies: Number of new data tools or technologies successfully integrated.
  - Process Improvement Initiatives: Number of initiatives aimed at improving data architecture processes.
- Project Delivery:
  - On-time Delivery Rate: Percentage of projects completed on or before the deadline.
  - Project Success Rate: Percentage of projects that meet their objectives and deliver expected outcomes.
- Data Utilization:
  - Data Usage Rate: Frequency and extent to which data is accessed and used by the commercial team.

- Insights Generated: Number of actionable insights derived from data analytics.

#### Skills:

- Emerging Technology Monitoring, Consulting, Influencing & persuading, Unbossed Leadership, IT governance, building High Performing Teams, Vendor Management, Innovative & Analytical Technologies.
- 10+ Yrs of Solid understanding of Analytical and technical frameworks for descriptive and prescriptive analytics.
- Strong familiarity with AWS, Databricks, and Snowflake service offerings.
- Experience integrating disparate analytical and visualization platforms.
- Strong knowledge of MLOps and project life cycle management.
- Strong exposure to data security and governance policy definitions and enforcement capabilities.
- Data product-centric approach to defining solutions. Collaborate with business in gathering requirements, grooming product backlogs, driving delivery, and ongoing data product enhancements
- Agile delivery experience managing multiple concurrent delivery cycles.
- Sound foundation in Analytical Data life cycle management.
- Awareness of Data product change Management and risk mitigation.
- Strong analytical and problem-solving skills, effective communication, and the ability to influence and collaborate with cross-functional teams

#### Education:

- Bachelor's degree in computer science, engineering, or a related field.

#### Desirable:

Experience with pharmaceutical data and familiarity with global data sources

#### 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.

#### Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities.

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**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>

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