

## **Careers in Digital " >**

Through the use of analytics and advanced technologies we are fundamentally transforming how we deliver innovative science, operational excellence and more personalized customer experiences.

100m+

### **Invested in Digital (USD)**

12

### **Digital priority projects**

1 500

### **Digital and data associates**

769m

### **Lives touched by Novartis**

### **How do we aim to do it?**

- Using enhanced predictive power with our 20 petabytes of patient data to develop new medicines and bring them to market faster
- Optimizing and automating processes in order to drive breakthrough innovation and operational excellence
- Partnering with the global healthtech ecosystem

Bring your skills and help transform the future of health.

### **Product Management**

Work cross-functionally to drive forward products from conception to launch by connecting technical and business partners as a product owner, product manager, or solution delivery lead at Novartis.

Skills:

- Product Vision
- Project Management
- Product Management
- Product development

- Agile methodologies (Scrum)
- Product portfolio
- Product Launch
- Solution Delivery
- Solution Design
- Solution Deployment

### **Data Strategy**

Bring your passion for data governance and architecture to clean, link and build data pipelines that allow for scalable extraction and analysis.

Skills:

- Data Governance & Protection
- Data Infrastructure & Enterprise Information Management
- Data transformation
- Data Platform
- Data-driven solutions
- Architecture
- Data Quality Management
- Data Ownership
- Metadata Management
- Data informed decision making

## **Data Engineering**

Collaborate with business partners to understand analytics needs, and use your big data skills to provide analytical solutions to internal clients.

Skills:

- Data Architecture
- Data Warehousing
- Big Data Infrastructure
- Machine Learning
- Infrastructure and data set building
- Large-scale data processing
- System maintenance and monitoring
- Raw data analysis
- Structured and unstructured processing for analytic modeling

## **Digital Marketing**

Help drive new ways of reaching and interacting with internal and external partners through digital channels.

Skills:

- eCommerce
- Omnichannel Marketing
- Customer Engagement
- Brand Management & Innovation
- Cross-functional partnership management
- Digital Transformation
- Commercial Excellence
- Digital Marketing Strategy
- Data & Analytics
- Digital Roadmap
- Digital Engagement
- Social Media Engagement
- User experience Design

## **Data Science**

Coordinate, mine, and analyze large amounts of data to drive optimization across the enterprise.

Skills:

- Advanced Analytics
- Data Visualisation
- Machine Learning
- Artificial Intelligence
- Computer Science
- Data modeling
- Algorithms
- Data Architecture
- Predictive model
- Data wrangling and preprocessing
- Coding
- Data visualization

## **Developer**

Build and create software and applications that support Novartis' digital ambitions.

Skills:

- Front end, backend and full stack technology development
- Cloud, Web and Mobile technologies
- Modern Architecture and Frameworks

- Continuous Integration/Continuous Development (CI/CD)
- Agile & Lean Methodologies

Our journey towards reimagining medicine brings extraordinary opportunities.

Within Digital at Novartis, we:

- Experience industry-first global projects that have a life-changing purpose
- Shape a startup environment in an organization with global reach
- Collaborate in small and nimble teams

Read more about our [Data and Digital](#) approach.

## Novartis AI for Life Residency Program

The first-of-its-kind for the healthcare industry, this 12-month program aims to give recent data science graduates and researchers an unprecedented opportunity to apply their cutting-edge data science and AI expertise to real-world healthcare challenges.

[Learn More](#)

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Learn more about Digital at Novartis

- [Data and Digital at Novartis](#)
  - [Artificial Intelligence \(AI\) at Novartis](#)
  - [AI is changing the face of healthcare](#)
  - [Artificial intelligence decodes cancer pathology images](#)
  - [Embracing big data to understand complex diseases](#)
  - [Novartis Biome](#)
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  - [Novartis research shows technology talent increasingly drawn to pharma industry since COVID-19, to solve healthcare challenges](#)
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Join us in building the leading medicines company powered by data and digital.

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