

## Data Engineer

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Company: International Medical Corps

Location: Pakistan

Category: computer-and-mathematical

### **JOB SUMMARY:**

Data Engineer use expertise in data engineering and programming to build systems that ingest, store, validate, clean, standardize and curate raw data into usable information, can work in various stages of the data analytics lifecycle, including pipeline development and maintenance. Develop and test architectures that enable data extraction and transformation for predictive or prescriptive modeling. Someone with a keen eye toward diagnosing and fixing problems with our data pipelines and modeling data to meet data science and business requirements.

To perform this job successfully, an individual must be able to perform each essential function with or without reasonable accommodation.

### **MAIN TASKS AND RESPONSIBILITIES**

- Develops and maintains scalable data pipelines and builds out new API integrations to support continuing increases in data volume and complexity.
- Collaborates with analytics and business teams to improve data models that feed business intelligence tools, increasing data accessibility, and fostering data-driven decision making across the organization.
- Performs data analysis required to troubleshoot data related issues and assist in the resolution of data issues.
- Designs data integrations and data quality framework.
- Build efficient and reliable data pipelines from scratch to transport data across a number of

platforms.

- Partner with data scientists to implement machine learning models for multiple uses including real time cases.
- Conduct code and technology design reviews.
- Analyze, Design, and build modern data solutions using Azure services.
- Build machine learning pipelines from ideation up through prototyping, development, and deployment.
- Develop, train, and validate machine learning algorithms.
- Help create generalized solutions out of specific use cases
- Analyze and organize raw data.
- Prepare data for prescriptive and predictive modeling.
- Build algorithms and prototypes.

Perform other duties as assigned. The duties and responsibilities listed in this document are representative of the nature and level of work assigned and not necessarily all inclusive.

#### Job Requirements

#### **MINIMUM QUALIFICATIONS**

- Degree in Data Science, Computer Science, IT, or similar field
- Data engineering certification (e.g IBM Certified Data Engineer) is a plus
- 2+ years' experience in NLP and ML
- 2+ years of experience in working with data engineering, establishing and owning data pipelines.
- 2+ years of Python development experience
- 2+ years of SQL experience (No-SQL experience is a plus)
- Experience working with either a Map Reduce or an MPP system on any size/scale.
- Must have knowledge of NLP modelling techniques, with a firm grasp of the mechanics of modelling methods.
- Have had exposure and practice with neural network modelling approaches.
- Technical expertise with data models, data mining, and segmentation techniques
- Experience designing, building, and maintaining data processing systems.
- Experience in custom ETL design, implementation and maintenance.
- Experience with systems integration and data modelling.
- Great numerical and analytical skills

- Excellent problem solving and troubleshooting skills
- Excellent oral and written communication skills

Additional Technical or Language Requirements

### **Code of Conduct**

As applicable to this position, an individual must promote and encourage a culture of compliance and ethics throughout the organization and maintain a clear understanding of International Medical Corps' and donor compliance and ethics standards and adheres to those standards. Staff are also responsible for preventing violations to our Code of Conduct and Ethics, which may involve Conflicts of Interest, Fraud, Corruption or Harassment. If you see, hear or are made aware of any violations to the Code of Conduct and Ethics or Safeguarding Policy, you have an obligation to report. If this is a supervisory position, one must set an example of ethical behavior through one's own conduct and oversight of the work of others; ensure that those who report to you have sufficient knowledge and resources to follow the standards outlined in the Code of Conduct & Ethics; monitor compliance of the people you supervise; enforce the Code of Conduct & Ethics and International Medical Corps' policies, including the Safeguarding Policy and the Protection from Harassment, Bullying and Sexual Misconduct in the Workplace Policy, consistently and fairly; support employees who in good faith raise questions or concerns.

### **Safeguarding**

It is all staff shared responsibility and obligation to safeguard and protect populations with whom we work, including adults who may be particularly vulnerable and children. This includes safeguarding from the following conduct by our staff or partners: sexual exploitation and abuse; exploitation, neglect, or abuse of children, adults at risk, or LGBTI individuals; and any form of trafficking in persons.

### **Equal Opportunities**

International Medical Corps is proud to provide equal employment opportunities to all employees and qualified applicants without regard to race, color, religion, sex, sexual orientation, national or ethnic origin, age, disability or status as a veteran. Share this job as a link in your status update to LinkedIn.

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