



JOB DESCRIPTION

Position	Senior Data Science Engineer
Work Location	Delhi
Employment	Payroll

About ARMMAN

Founded in 2008, ARMMAN's mission is to enable healthy pregnancy, safe delivery and safe childhood for women and children in India. ARMMAN leverages mHealth to create cost-effective and scalable systemic solutions to improve access of pregnant women and mothers to preventive information and services and train health workers to reduce maternal and child mortality and morbidity.

- Our programs have reached over 40 million women and over 3 lakh health workers across 20+ states to date
- ARMMAN has received several awards and honours including the Skoll Award for Social Entrepreneurship 2020 and MIT Elevate Prize 2021, as well as grants from Co-Impact, Google.org, USAID, and others.

Role Overview

The role of Senior Data Science Engineer is to design, develop, and maintain our data infrastructure. The ideal candidate will have extensive experience in big data technologies and advanced SQL querying. This role involves working on big data, building and deploying data infrastructure, and ensuring seamless data flow and processing across the organization.

Roles and Responsibilities

- Design, develop, and maintain robust data pipelines and ETL processes to support data visualization, data science, and machine learning workflows.
- Implement and optimize data processing frameworks using Apache Spark and Kafka streaming.
- Perform advanced SQL queries for data extractions, transformation, and analysis.
- Ensure data quality, integrity, and security across all data platforms.
- Build and deploy scalable data infrastructure and architecture solutions.
- Develop and execute data roadmaps, analysis, deployment, and integration strategies.
- Utilize NoSQL technologies (e.g., Cassandra and MongoDB) for efficient data management.
- Employ data modelling tools (e.g., Erwin, Enterprise Architect, and Visio) to design and document data architectures.
- Collaborate with cross-functional teams to gather requirements and deliver tailored data solutions.
- Monitor and troubleshoot data processing systems to ensure optimal performance.
- Stay updated with the latest industry trends and technologies in data engineering.
- Develop and maintain data quality and data governance processes to ensure data accuracy, completeness, and consistency.
- Create and maintain comprehensive documentation for data pipelines, ETL processes, and data storage solutions.



Qualification & Skills

- Strong SQL skills and experience with relational databases.
- Strong experience in NoSQL Databases like Cassandra
- Strong Experience in ETL
- Strong Experience in Data Modelling
- Expertise in Python programming languages.
- Solid understanding of data warehousing concepts and best practices.
- Proficiency with data engineering tools and technologies such as Apache Spark, Hadoop, and SQL.
- Experience with data visualization tools such as Tableau or Power BI.
- Experience with one or more of cloud platforms (AWS, GCP, or Azure)
- Experience with containerization technologies such as Docker and Kubernetes.
- Strong understanding of data modeling, data warehousing, and data governance principles. Experience with NoSQL technologies such as Cassandra and MongoDB.
- Excellent problem-solving skills, attention to detail, and strong communication and teamwork skills.
- Personal efficiency, time management skills, presentation skills and the ability to priorities competing demands are key
- Excellent verbal and written English & Hindi language communication skills; Strong writing and editing skills, with a high-level of attention to detail; Able to read and interpret complex documents, and communicate information effectively to others, with strong interpersonal skills.
- Ability to convey technical information to both technical and non- technical stakeholders.
- Demonstrated leadership skills in leading cross- functional teams. Ability to motivate and guide teams toward successful project completion.
- Strong analytical and problem- solving abilities to address complex issues.
- Must be able to look at Organization Data and recommend business improvement
- Ability to adapt to changing priorities and navigate a dynamic environment.
- A strong educational background in computer science, data science, or a related field is required. Advanced degrees are often preferred.
- 10+ Years of Experience in complete Software Development Life Cycle, Requirement Documentation, Project Management
- 5+ Years in Project Management
- Data Science Certification Preferred

How To Apply

- Interested candidates please send the application with your updated resume to careers@armman.org
- Please use “Senior Data Science Engineer - Delhi” as the subject line for the application mail