**Job Description**

**Jr. Software Engineer**

**Responsibilities:**

* Work with Product / Application and solutions development
* Develop backend services/APIs using well known frameworks like Django, Flask or FastAPI for python and /or Spring Boot, Spring MVC for java.
* Develop Front end (UI/UX) using React.js
* Integrate Frontend with backend Services
* Design and Create Database Schemas using ER diagrams and develop Queries / Stored Procedures.
* Write and execute unit test cases.
* Research and implement new methodologies & technologies as guided by your supervisors
* Follow practices of DevOps as guided by your supervisors
* Develop insightful visualizations and create technical/business reports to communicate findings effectively.
* Work closely with the team to understand and execute project requirements effectively.
* Attend customer meetings to understand client needs and provide technical solutions.
* Understand and analyse business requirements to design suitable solutions.
* Assist your supervisors in solution design and architecture, ensuring alignment with business goals.
* Adhere to project delivery timelines, following structured project management practices as guided by your supervisors.
* Carry out additional activities related to company business as assigned by supervisors and the management team.

**Requirements:**

* Degree in Computer Science & Engineering or a related field.
* Exceptional program writing skills using java / python is required.
* Knowledge of SQL query / stored procedure writing is required.
* Understanding of REST APIs is required.
* Understanding of unit testing and writing unit tests is required.
* Excellent verbal and written English communication skills required
* Understanding of SCM like Git, Subversion is required.
* Working knowledge of LLM technologies is required
* Familiarity with cloud platforms and services is desired
* Familiarity with React.js, HTML, CSS is desired
* Familiarity with Typescript and Javascript is desired.
* Familiarity with ORM like JPA / SQLAlchemy is desired.

**Position: Junior Data Scientist / Junior Data Engineer**

**Responsibilities:**

* Work with Product / Application and solutions development
* Work with data exploration, data cleaning, data analysis, data visualization, and data mining to extract valuable insights.
* Perform statistical analysis of large datasets to identify trends and patterns.
* Develop data acquisition pipelines from internal and external sources for structured and unstructured data.
* Perform data unification / preparation tasks and create robust data preparation pipelines.
* Develop, evaluate, iterate to improve, and deploy predictive models, NLP models, and computer vision models.
* Integrate and innovate with Large Language Models (LLMs), focusing on prompt engineering, RAG, fine-tuning and applying these models to real-world problems using agentic workflow.
* Develop insightful visualizations and create technical/business reports to communicate findings effectively.
* Research and implement new methodologies & technologies in the fields of machine learning and artificial intelligence.
* Follow best practices of MLOps as guided by your supervisors to ensure scalable and efficient model deployment.
* Work closely with the team to understand and execute project requirements effectively.
* Attend customer meetings to understand client needs and provide technical solutions.
* Understand and analyse business requirements to design suitable solutions.
* Assist your supervisors in solution design and architecture, ensuring alignment with business goals.
* Adhere to project delivery timelines, following structured project management practices as guided by your supervisors.
* Carry out additional activities related to company business as assigned by supervisors and the management team.

**Requirements**

* Degree in Computer Science & Engineering, Data Science, or a related field.
* Exceptional program writing skills using python / R is required.
* Knowledge of SQL query / stored procedure writing is required.
* Good understanding of Statistics and Probability, ML algorithms, and data science methods and tools are required.
* Excellent verbal and written English communication skills required.
* Good skills in developing and implementing solutions with Large Language Models, including prompt engineering, RAG, and model fine-tuning is desired.
* Familiarity with cloud platforms and services is desired.
* Familiarity with BI tools like PowerBI, Tableau, etc. Is desired.
* Ability to perform complex data analysis and derive insights is desired.