

Muhammad Eatesaam

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Location: Dubai, UAE

[LinkedIn](#) | [GitHub](#) | [Website](#) | [Credly](#)



Professional Summary:

Dynamic Data Engineer with a proven track record of 5+ years, seeking to leverage my expertise in data pipelines, data warehousing, data lakes, analytics, and architecting scalable data infrastructure solutions within UAE's thriving tech industry. Deeply versed in data management principles, dedicated to refining data pipelines, elevating data integrity, and extracting actionable insights crucial for driving exponential business growth.

Skills:

Programming Languages: Python, SQL, JavaScript

Libraries: Numpy, Pandas, Pyspark, Beautiful Soup, Boto3, Matplotlib

Tools: Apache Airflow, Apache Spark, Apache Kafka, Tableau, Power BI, Jupyter Notebook, Git, Docker, MS Office Suit

Databases: PostgreSQL, MySQL, Amazon RDS, DynamoDb, MongoDB, Chroma, Pinecone, Redis

Platforms: Amazon Web Services (AWS), Databricks, Snowflake

AI and ML: Generative AI, Prompt Engineering, Retrieval Augmented Generation (RAG), Llama Index, LangChain, LLM

Others: ETL/ELT, GitLab CI/CD, FastAPI, Django, Streamlit

Soft: Technical Writing, Analytics, Communication, Adaptability, Empathy

Professional Experience:

Digital DirAction

Location: Dubai UAE (Remote) | **Time Period:** April 2024 – December 2024 | **Position:** Data Engineer

- Developed and deployed data-driven LLM powered applications, Chatbots, AI Agents by Generative AI and Retrieval Augmented Generation (RAG) techniques, utilizing LlamaIndex and LangChain for efficient information retrieval and conversational AI, enhancing information retrieval efficiency by 40%.
- Built and maintained scalable RESTful APIs using FastAPI and Django for seamless integration with web applications, reducing API response time by 35%.
- Implemented and optimized vector databases like Pinecone and ChromaDB for fast, accurate data retrieval and embedding management.
- Managed and optimized real-time chat history and summaries using Redis for enhanced performance and user experience.
- Created interactive, real-time Proof of Concept (POC) applications using Streamlit for rapid prototyping and data visualization, reducing development time by 40%.

Freelance

Location: Lahore Pakistan (Remote) | **Time Period:** April 2023 – March 2024 | **Position:** Data Engineer

- Developed and maintained interactive dashboards using Tableau and Power BI, delivering key insights and facilitating data-driven decision-making for stakeholders.
- Designed, implemented, and maintained scalable and efficient data pipelines for data extraction, transformation, and loading (ETL), reducing data processing times by 40%.
- Optimized and troubleshoot data-related issues, ensuring data quality and reliability.
- Developed and executed queries and scripts to extract, transform, and analyze data.
- Developed and maintained API integrations with third-party systems, ensuring seamless data flow and system interoperability by 30%.

Daniel Starkey Limited

Location: Birmingham UK (Remote) | **Time Period:** April 2021 – April 2023 | **Position:** Data Engineer

- Designed and implemented end-to-end data processing solutions, encompassing ETL/ELT pipelines and serverless applications on AWS, resulting in an 80% reduction in job management time.
- Conducted in-depth data analysis to deliver actionable insights, resulting in a 15% improvement in business decision-making accuracy within a specified timeframe.
- Mentored and guided interns through hands-on projects and professional development, providing feedback and support to enhance their skills and integrate them effectively into the team.
- Produced highly effective reports and presentations, achieving a 90% stakeholder satisfaction rate, and delivered visualizations that enhanced data interpretation by 12% for business teams.
- Maintained a 95% adherence to project deadlines, minimizing delays, while reducing project-related queries from stakeholders by 15% through clear and concise documentation.

The Superior Group

Location: Lahore Pakistan (On-site) | **Time Period:** Sep 2019 – March 2021 | **Position:** Software Engineer

- Coordinated collaborative coding efforts, fostering efficient development practices among team members.
- Designed and implemented custom web pages using HTML and JavaScript for existing websites, enhancing user interfaces with modern technologies such as JavaScript, HTML5, and CSS3.
- Designed and implemented database schemas, ensuring data integrity and scalability for mission-critical applications, resulting in a 20% increase in system reliability and a 30% reduction in query response time.
- Implemented indexing strategies that improved database performance, reducing average query execution time by 25% and enhancing overall application responsiveness.
- Demonstrated proficiency in data handling by optimizing SQL queries, building web scrapers in Python for data extraction, and performing data transformation and validation tasks using Python, SQL, and MS Excel.

Education:

Superior University

BS Software Engineering | 2015-2019

Certifications & Trainings

Machine Learning Specialization

Deeplearning.AI | Sep 2024

Databricks Lakehouse Fundamentals

Databricks | April 2024

Cloud Solution Architect (AWS) Boot Camp

Contour Software | May 2023 – June 2023

Career Essentials in Data Analysis by Microsoft and LinkedIn

Microsoft | May 2023

Data Engineering Specialization

IBM | Sep 2022

Achievements:

Shahbaz Sharif E-Youth Initiative 2014

In November 2014, I received a complimentary laptop from the Government of Punjab.