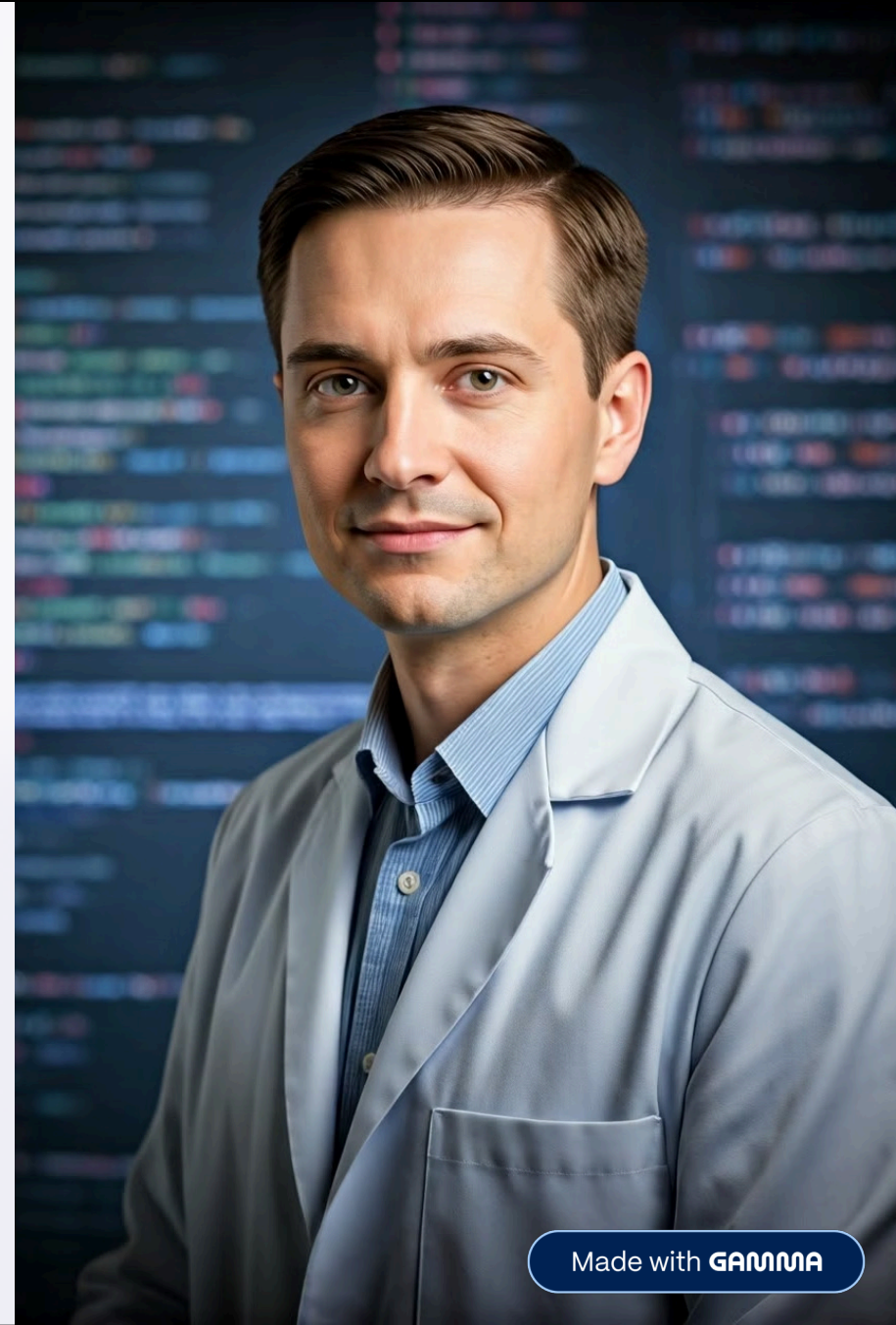


Mohamed Ashkan - Data Science Development

Welcome to my professional portfolio. I specialize in transforming complex data into actionable insights through advanced data science techniques and cloud infrastructure solutions. With extensive experience in building scalable ETL pipelines and implementing robust security measures, I ensure data integrity and optimize performance across platforms.

My expertise spans machine learning, data analysis, and cloud-based architecture, enabling businesses to make informed decisions that drive growth and efficiency. I am passionate about leveraging innovative technologies to solve challenging problems and deliver measurable value.

Visit my website at [unknown link](#) to learn more about my work, explore case studies, and discover how I can contribute to your organization's success.



Data Science & Cloud Infrastructure

Data Science Development

Leverage expertise in Python, SQL, AWS to transform raw data into actionable insights. Skilled in building machine learning models, data visualization, and statistical analysis to support data-driven decision making. Experienced in creating scalable ETL pipelines and automating data workflows to increase efficiency and accuracy.

Cloud Infrastructure

Proficient in data infrastructure management, cloud-based solutions (AWS, Azure), large-scale dataset processing. Adept at designing and maintaining secure, scalable cloud architectures that support analytics workloads. Knowledgeable in containerization, orchestration tools, and deploying distributed computing environments to optimize performance and cost.

ETL & Big Data



Designed and implemented scalable ETL pipelines to efficiently handle data ingestion from diverse sources, including APIs, flat files, and streaming platforms. Expertise in transforming raw data into clean, consistent, and structured formats, enabling seamless downstream analytics and reporting workflows. Skilled at leveraging AWS Glue for serverless data integration, Amazon Redshift for data warehousing, and S3 for reliable data storage, optimizing cost and performance at scale.

Adept at managing both relational databases such as PostgreSQL for transactional workloads and NoSQL solutions for flexible, schema-less data storage. Ensuring data governance practices, including data quality checks, auditing, and encryption, to maintain integrity and security. Experience in automating data workflows and monitoring pipelines to minimize downtime and accelerate business insights delivery.

Extensive experience in designing and building robust ETL pipelines to efficiently extract, transform, and load large volumes of data from various sources. Skilled at optimizing data storage solutions using AWS services such as S3, Redshift, and Glue to enhance performance and scalability. Proven ability to manage both relational databases like PostgreSQL and NoSQL databases, ensuring data integrity, security, and availability for analytics and operational needs.



ETL & Security Solutions

ETL & Big Data

Extensive experience designing and building scalable ETL pipelines that transform raw data into clean, actionable datasets. Expertise in optimizing data storage and processing using AWS services such as S3, Redshift, and Glue. Skilled in managing relational PostgreSQL databases as well as NoSQL databases like MongoDB and DynamoDB to support diverse data workloads and high availability.

Security & Governance

Implement stringent security best practices to ensure data compliance with regulatory frameworks such as GDPR and HIPAA. Proficient in data governance strategies, including access controls, encryption, and audit logging to protect sensitive information. Adept at building secure data pipelines that maintain privacy while enabling seamless analytics.