

Ismail Shaik

Role: Software Engineer II

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Professional Experience:

Hashedin Technologies (Deloitte)

Software Engineer II (Vanguard)

Sep 2024 to Jul 2024

Python Expertise:

- Supported **OTL jobs replication using Qlik Attunity** for initial full loads and incremental CDC processing from **DB2 to Aurora**, aligning with daily batch schedules through Control-M and maintaining SLA compliance for business-critical data.
- Built a robust **validation and reconciliation frameworks** in AWS glue and Aurora that cross verify record level accuracy between source files redshift and target Aurora DB ensuring high data integrity in production levels.
- Designed and **implemented AWS glue ETL jobs** to migrate and transform complex financial datasets from DB2 sources and redshift tables into Aurora DB applying business rules.
- Developed modular based Spark based glue scripts to handle large scale file ingestion, cleansing, enrichment and loading of structured data into Aurora enabling the real time analytics and downstream reporting.
- Actively participated in design and code reviews, provided architectural input for scalable data pipelines and deliver detailed technical demos to clients ensuring alignment with business goals.

Software Engineer II (Workday)

Apr 2024 to Sep 2024

Python Expertise:

- 6 months of experience in **Python, GenAI, Prompt Engineering**, and **SQL**, across **Azure environment**.
- My proficiency lies in successfully designing, developing, and deploying **15+ APIs using Fast API** that facilitated seamless integration and interaction with client applications.
- **Gained extensive experience with Azure services**, including **Azure Blob Storage** for managing and storing data, **Azure Cosmos DB** for leveraging highly scalable database solutions, and **Azure Key Vault** for securing sensitive credentials and secrets.
- **Proficiency in troubleshooting** and resolving over 10+ complex bugs, earning a "Spot Award" within three months for delivering high-quality solutions.
- **Proven track record of leading cross-functional development teams**, providing mentorship and technical guidance while ensuring timelines and quality standards were consistently met.

TEKsystems Global Services

Software Engineer (Allegis Group)

Jan 2023 to Apr 2024

Data Engineering Expertise:

- **Leveraged Informatica, SSIS, and Matillion** to expertly manage data extraction, transformation, and loading processes. 35 Informatica workflows and 10 SSIS packages migrated within 4 months.
- **Streamlined the data extraction from Salesforce**, enabled seamless transformations, and facilitated efficient loading into Snowflake, resulting in precise data transfers with 1 shared job.
- Involved in Architecting, Designing, Implementation, and end-to-end operations of ETL data pipelines.
- **Implemented masking standards** with role-based access control on Snowflake, limiting unwanted data access.
- **Snowflake SME** for Project while working with Tasks, Streams, Data Sharing, etc.

Associate Engineer (Vontier)

May 2022 to Dec 2022

Data Engineering Expertise:

- **Migrated complex Alteryx Flows to Matillion**, applying best practices to enhance compatibility and achieve 25% improvement in performance optimization within 5 months.
- **Implemented templates, and shared jobs** which reduced Matillion ETL dev efforts by 45% across diverse business use cases.
- Researched and developed workflow to auto-trigger the ETL jobs in Matillion based on file arrival in the S3 bucket.
- **Worked as Matillion admin** to set up the environment, integrate GIT, and implement Role-Based Access Control.

Associate Engineer (Nintendo)

Aug 2021 to Apr 2022

Data Engineering Expertise:

- **Worked on migrating data** from various enterprise data warehouses like Salesforce, and Oracle PeopleSoft to use as a source for populating dimensions and facts in the upstream.
- **Developed Python scripts** to convert Oracle/SQL Server data to Snowflake-compatible language and migrate flat files from AWS S3 to Snowflake.
- **Automated ETL processes** across billions of rows of data, which reduced manual workload by 40% monthly.
- **Designed real-time data pipeline**, integrating 150+ M raw records from API calls to process semi-structured data.

Skills

Programming/Scripting Languages: Python, SQL, and Pyspark.

ETL Tools: Matillion, Informatica, Alteryx, SSIS, Spark and Glue.

Cloud Technologies: Snowflake, AWS, and Azure

AWS: Glue, Redshift, S3, IAM, Aurora DB, Step Functions, CloudFormation, Secrets Manager, and SNS.

Azure: Blob Storage, Cosmos DB, App Services, OpenAI Service, Azure Vault

Others: GIT, GenAI, Prompt Engineering, Qlik Attunity Replicate, and Control-M.

Soft Skills: Leadership, Team Player, Resilient, Problem Solving, Inter-Personal Communication, Proactive.

Education

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC)

Bachelor of Technology – Information Technology; (GPA – 8.10)

May 2018 to Jun 2021

Highlights: Attained the Best Student Merit Scholarship for 3 consecutive years

Certifications

Oracle OCI Generative AI	Jul 2024 to Jul 2026
Snowflake SnowPro Core	May 2024 to Jun 2024
Matillion Associate	Apr 2022 to Apr 2025
AWS Developer Associate	Dec 2022 to Dec 2025
Azure Data Fundamentals	Sep 2021 to No Expiry

Awards and Recognitions

- **Hashedin Technologies:** Rising Award for 2 times – Sep 2024, Feb 2025.
- **TEKsystems Global Services:** Rising Star - Q1 2022, Spot Award - Jan 2022.
- **Interviewed** 30+ candidates on technologies like Matillion, Snowflake, SQL, Python, and AWS.
- **Trained** 20+ Employees on Matillion ETL and Snowflake.
- Supported as Matillion and Snowflake SME (Subject Matter Expert) for the Client Project.
- Published Journals in Indexed, Scopus, and Free journals. IJAST and Design Engineering.