

Khush Joshi

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About

- Results-driven Data Engineer and Full Stack BI Developer with over two years of extensive experience in implementing and optimizing innovative, data-centric solutions across a multitude of technologies, including big data frameworks. Proven track record in designing, developing, and maintaining comprehensive end-to-end business intelligence systems, leveraging a diverse array of tools to extract, transform, and load (ETL) data seamlessly. Skilled in handling large-scale data sets and utilizing big data technologies to drive data processing efficiency and performance.
- Expert in crafting visually compelling and insightful dashboards that empower data-driven decision-making, enabling organizations to unlock actionable insights. Proficient in managing a variety of data sources, including the Dynamics 365 suite (FSCM, CRM) and legacy ERP systems, ensuring data integrity, accuracy, and consistency. Skilled in utilizing advanced technologies across all major cloud platforms, including Azure, AWS, and GCP, as well as SQL, Python, Power BI, Data Warehousing, and DAX. Demonstrated ability to collaborate effectively across functions to understand business requirements and deliver scalable, high-efficiency solutions.
- Committed to continuous professional development, I hold the Microsoft Certified Data Scientist Associate (DP-100) and Microsoft Fabric Analytics Engineer Associate certifications, reflecting my dedication to staying at the forefront of emerging technologies and enhancing data engineering and business intelligence capabilities.
- Adept at query optimization, data infrastructure, data architecture, and cost optimization, with substantial experience in data migration across various platforms. Proven ability to work with cross-functional teams and engage with clients across multiple time zones simultaneously, enhancing project outcomes through effective communication and collaboration.

Experience

Synoptek LLC

Jul 2022 – Dec 2023

Associate Software Engineer (Full-Time)

Ahmedabad, Gujarat

- Crafting scalable and efficient cloud-based data solution architectures capable of managing substantial data volumes and supporting intricate analytical requirements.
- Experience in executing complex data migration initiatives, coupled with a strong focus on query optimization and cost-effective cloud data engineering strategies to enhance operational efficiency.
- Proficient in a diverse suite of technologies, including Azure Synapse, Snowflake, Analysis Services, Azure Data Factory, Azure DevOps, SQL, Python, and Power BI, enabling the delivery of end-to-end data solutions.
- Skilled in leveraging big data technologies and frameworks to facilitate data processing, storage, and analysis, enhancing the organization's ability to extract insights from large datasets.

Synoptek LLC

Jan 2022 – Jun 2022

Business Intelligence Intern

Ahmedabad, Gujarat

- Worked on python with big data processing frameworks like Apache Spark. PySpark, the Python API for Apache Spark, to leverage the power of Spark for large-scale data processing and analytics.
- Gained experience of using snowflake a cloud-based data warehousing platform that has gained significant popularity for its unique architecture and features.
- Design and implemented data models within Power BI, ensuring efficient relationships between tables and the creation of calculated columns or measures for meaningful analytics. Created visually appealing and insightful reports and dashboards using Power BI Desktop.
- Created and maintained robust pipelines for the ETL(Extract, Transform, Load) processes within Microsoft SQL Server Integration Services.
- Created multidimensional and tabular model using the Microsoft SQL Serer Analysis Services.

One Nine AI

June 2021 – Sep 2021

Data Science Intern

New Jersey (Remote)

- Collect, clean, and pre process data from various sources to ensure high-quality datasets for analysis.
- Conduct exploratory data analysis to uncover patterns, trends, and insights within the datasets.
- Assist in the development and implementation of machine learning models or statistical algorithms to solve business problems and refine and optimize models for better performance.
- Feature engineering efforts by identifying relevant variables and creating new features to enhance model accuracy.
- Developed Intelligent Model of python functions for MLP regressor and Classifier

Projects

Data Lake Implementation | *Azure,SQL,Data Lake,Dataverse,Azure Synapse,SSAS,Dynamics ERP, DevOps*

- Led the successful transition from the deprecated Dynamics CE Data Export Service to a robust data lake solution, seamlessly integrating ERP data into Azure SQL. This implementation not only modernized the data infrastructure but also significantly enhanced data accessibility and reliability.
- Leveraged Azure Synapse Link to extract critical data from Dynamics CE, applying sophisticated transformations to ensure data integrity and consistency. This process facilitated the loading of actionable insights into Azure SQL, optimizing the data pipeline and enhancing overall performance.
- Created virtual tables and views within Azure Analysis Services, enabling users to easily access and analyze processed data. This initiative provided the customer with a powerful analytical framework, empowering their teams to conduct in-depth analyses and derive valuable insights.
- Implemented Azure DevOps to automate CI/CD workflows, significantly improving deployment efficiency and reducing time-to-market for new features. This automation not only minimized operational costs but also ensured the continuous delivery of high-quality data solutions.
- Throughout the project, a strong emphasis was placed on cost optimization strategies. By leveraging cloud resources effectively and automating processes, the project delivered substantial cost savings while improving the scalability and flexibility of the data architecture.

Power BI Report Development for forecasting Sales data | *Power BI, SQL, Data Factory, DevOps*

- Utilized Power BI to generate comprehensive forecast reports that analyze sales data extracted from Dynamics CRM, significantly enhancing strategic decision-making processes.
- Conducted in-depth analyses of sales trends over time, employing advanced forecasting models to predict future sales based on historical data. This proactive approach equipped stakeholders with the insights necessary for informed planning and resource allocation.
- Developed visually compelling Power BI reports that effectively showcased forecasted sales, integrating key performance metrics to provide a holistic view of sales performance. This visualization facilitated easier interpretation of data and empowered users to make data-driven decisions.
- Achieved seamless integration with Dynamics CRM for real-time data extraction, transformation, and loading (ETL) within Power BI. This ensured that the reports reflected the most current data, enhancing the accuracy of analyses.
- Implemented scenario analysis capabilities to explore various sales outcomes, enabling stakeholders to assess potential impacts of different business strategies and market conditions. This functionality fostered a deeper understanding of the dynamics affecting sales performance and facilitated agile decision-making.

Technical Skills

Skill Highlights:

- Data Engineering
- Data Analysis
- Designing Data Architecture
- Data Migration
- Data Warehousing
- Dynamics ERP
- Fabric Analytics
- Power BI Report Development
- ETL

Technology	Skillset
Programming Languages	Python, SQL, DAX, C, Power Shell Script, Node.js
Azure Frameworks and Tools	Azure SQL, Azure Synapse Analytics, Azure Cosmos DB, Azure DevOps, Azure Data Factory, Azure SSAS, Microsoft SSIS
AWS Frameworks and Tools	AWS Lambda, AWS S3, AWS EC2, Dynamo DB, AWS Glue, AWS Redshift
Additional Frameworks	Snowflake, Snowpark, Fast API, Docker, Kubernetes, CI/CD, Databricks, Apache Spark, Hadoop, Apache Airflow, GitHub, Git, Jira, Confluence

Certifications

Certification	Credential ID
Microsoft Certified Fabric Analytics Engineer (DP-600)	9F0290111BA8231B
Microsoft Certified: Azure Data Scientist Associate (DP-100)	CD2D4D21CA0E7D14

Education

St. Lawrence College	Jan 2024 – Apr 2025
<i>Post Graduation Business Analytics</i>	<i>Kingston, Ontario</i>
Pandit Deendayal Energy University	Aug. 2018 – Sep. 2022
<i>Bachelor of Technology, Information and Communication Technology</i>	<i>Gujarat, India</i>

Achievements

- Played an integral role as a key member of the team that successfully executed the go-live process for a critical deployment of the data lake. Contributed significantly to the seamless implementation of the data lake, ensuring its readiness and functionality to meet organizational objectives. This involved collaborative efforts in planning, testing, and executing the deployment strategy, leading to successfully launching the data lake infrastructure. Our team’s dedication and expertise played a pivotal role in achieving a smooth transition, enabling the organization to harness the full potential of the data lake for enhanced data management and analytics capabilities.
- Collaborated on five distinct projects with clients situated across various time zones around the globe. Effectively managed and navigated the challenges of coordinating and communicating with diverse stakeholders in different geographic locations. This multifaceted experience involved adapting to different work schedules, proactively addressing time zone differences, and ensuring seamless communication to foster successful project outcomes. Through adept coordination and flexibility, contributed to the successful execution of projects, showcasing the ability to work efficiently in a globally dispersed environment and deliver value to clients worldwide.