

# Rohit Dalvi

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## Summary:

- A Data Engineer with around 3.6 years of experience in Data Management and BI technology for executing data-driven solutions that expedite the efficiency and effectiveness of organisational success.
  - Conceptualised data storage, pipelining, modelling and management using various tools which lessened redundant work and dependency.
  - Mentored a team of 5 associates to construct a solution that were used to deepen relationships with the business.
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## Work Experience:

### ❖ Accenture - Dublin, Ireland



#### **Data Engineering Consultant (Client- Irish Water)**

**Mar 2022 - Present**

- Gained experience on gathering business requirements from the clients and deriving meaningful insights from it. Performing Data profiling on the raw data to observe any Data Quality or discrepancies. Created Normalized and De-Normalized models for the newly created attributes.
- Also formed entity relationships between tables and produced appropriate mapping with every other tables. Conducted data validation testing on UAT environment to maintain data integrity.
- Provided support in resolving queries or defect raised by the client and resolving them within short period of time. Developed team & time management skills while working with multiple co-workers in the team.

### ❖ Accenture - Mumbai, India



#### **Application Development Analyst**

**Nov 2019 - Aug 2020**

- Responsible to build an ETL which fetches data from database located in Azure Data Lake and schedule jobs with the help of using Control-M.
- Optimised stored procedures which processes 10 million records by adding required constraints, CTE's, indexing which reduced the workload by 54% monthly.
- Ability to query, transform and analyze raw data, draw conclusions, and develop actionable recommendations
- Carried out CI/CD deployments on Azure DevOps for moving the developed code to a higher environment for testing and then to production to ensure security, reliability and correctness up to 96%.

## Key Contribution:

### **Next Generation Growth Model-**

- Planned a strategy to update operating group names based on the company geographical markets.
- Made optimum use of SSIS using conditional split and row count transformation to bifurcate old/new records and processing it parallelly in one package using 4 concurrent executables which made tasks 2 times faster.
- Retained history of old Industry groups details designated to business users using merge and binary checksum function in SQL server which reduced processing time by 40-50%
- Invented an audit mechanism to track package's runtime status, source/target count and error messages using execution id from SSISDB which enhanced product reliability.

### ❖ Accenture - Mumbai, India



#### **Application Development Associate**

**Dec 2017 - Nov 2019**

- Responsible to design source to target mappings along with suitable transformations and sequencing to yield accurate output, including audit mechanism in SSIS which shortened act of backtracking packages by 40-60%.

- Utilised QlikView to build various analytical dashboards, including various charts, tables, functions that portray critical KPIs and insights of employees working in different sectors of the organisation.
- Co-ordinate with the operations team by analysing and fixing production issues for 15 days stabilisation period to avoid bugs. Performing unit testing and data verification of newly developed functionality.

### **Key Contributions:**

#### **Infographics Email Alert-**

- Implemented dynamic SQL for acquiring inputs from external variables facilitated building store procedures used to trigger emails sent to the business owners through Send Mail Task in SSIS.
- Allocating input parameters to the procedure made computing faster by approximately 40% and provide results on the fly. Table contained metrics of attrition, demographic, and competency of employees.
- Built master inline table for allotting role, designation and KPI's related segments for higher throughput. Reduced time by around 30% for other team to gather pre-defined elements from the data base.

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### **Education:**

**Master of Science in Computer Science (120 Credits) -  
University College Dublin**

**Dublin, Ireland  
Sept 2020 - Dec 2021**

**Key Modules:** Cloud Computing, Big Data Programming, Data Analytics, Relational Databases and Information Systems, Data Structure and algorithm, Text Analytics

**Research Practicum:** Dublin by Bus (Areas covered: DBMS, NoSQL, ML, WebApp)

**Projects:** Fake News Insights (DW, BI, CC), Social Network (Bash), COVID-19 Analysis (DA,ML)

**Bachelor of Engineering in Electronics –  
Thakur College of Engineering and Technology, Mumbai University**

**Mumbai, India  
Aug 2013 - Jul 2017**

**Key Modules:** Computer Communication Networks, Artificial Intelligence, Computer Organisation, Advanced Networking Technology, Object Oriented Programming, Embedded Systems, Applied Mathematics

**Project:** Wireless Surface Control using Accelerometer

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### **Technical Skills:**

- Programming language: SQL, Python Basic
- Databases: MySQL, MS SQL Server, MongoDB
- Microsoft BI Tools: SSMS, SSIS, QlikView, Tableau
- Cloud-based products: Azure Data Lake, AWS Redshift, S3, EC2, RDS
- Version Control Tools: Azure DevOps Server, VS Code, GitHub
- Other application: MS Excel, MS Word, MS Power point, Jupyter Notebook
- Soft skills: Communication, Presentation & Planning, Problem Solving, Management, Leadership
- Project Management: Agile, Waterfall Methodologies

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### **Achievements:**

- AWS Cloud Practitioner Essentials Nov 2021
- Microsoft Certified: Azure Fundamentals Sept 2021
- Microsoft Certified: Azure Data Fundamentals Sept 2021