



Amit srivatsa

DATA ENGINEER

Details

Cork,Ireland

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Skills

SQL

Hadoop/Cloudera

Hive/Impala/Spark

AWS

ETL Informatica BDM

Python

Database Administration
and Management

Profile

Results-driven, accountable and passionate Data Engineer with 3 and a half years of experience in administering and optimizing production databases. I excel in maintaining SQL Server operational readiness, ensuring optimum availability and performance. With expertise in creating end-to-end data pipelines on AWS Cloud Platform, delivering insights on data through dashboards, Data modelling through ETL by creating SCD2 mappings, complex query tuning using indexes, backup and recovery, working with Agile methodologies and database design, I am committed to advocating standardization and data privacy, enabling smooth cloud migration, and adhering to data retention policies.

Employment History

Data Engineer at Relyon Softech Ltd, Bengaluru

JUNE 2020 — SEPTEMBER 2022

- Lead the development and implementation of PostgreSQL MVCC architecture for a SAAS Financial application hosted in AWS.
- Utilized various AWS cloud resources, including RDS, EC2, S3 Bucket, CloudWatch, CodeCommit, and Lambda, to support and enhance the application infrastructure.
- Consulted with clients and developed tailored dashboards, enhancing sales team insights and promoting data-driven company growth.
- Developed advanced algorithms and schema pipeline architectures, along with ETL processes using Informatica, helping developers to understand raw data for analysis.
- Optimized data reproduction efficiency and quality by implementing Query optimizers, generating optimal indexes, data fragmentation, and configuring write/read heavy workloads thus improving application performance by several wait times in production.
- Customized Btree and GIST indexes to facilitate faster data retrieval from the database.
- Integrated several AWS Lambda functions with AWS RDS to build event-driven applications.
- Created RESTful APIs using ASP.net Core packages like Entity Framework and Dapper for seamless communication and interaction with the application.

Tools Used: PostgreSQL, AWS (RDS, EC2, S3 Bucket, CloudWatch, CodeCommit, Lambda), C#, Informatica (ETL), Query Optimizers, Indexing (Btree, GIST), RESTful APIs (ASP.net Core, Entity Framework, Dapper).

Big Data Developer/ETL at Accenture at Accenture, Mumbai

AUGUST 2018 — SEPTEMBER 2019

- Designed and implemented Slowly Changing Dimension (SCD) type 2 mappings using Informatica Big Data Management (BDM) as a crucial part of the ETL (Extract, Transform, Load) process.
- Developed Python scripts to efficiently extract data from Excel files and seamlessly load it into Cloudera DB, enhancing data accessibility and providing a streamlined approach to handle data from various sources.
- Developed interactive and visually appealing dashboards which transformed raw data into meaningful information, enabling stakeholders to make data-driven decisions effectively. Using Hive and Impala, complex data queries were processed efficiently for real-time insights.
- Utilized Tableau to create comprehensive and interactive data visualization dashboards. These dashboards presented key performance indicators (KPIs), trends, and insights in a user-friendly manner.
- Set up loggers for Change Data Capture along with Integrating them to Cloudera for seamless live data transfer.

Tools Used: Informatica BDM, Hive and Impala, Scoop, Cloudera.

Education

Masters in Computing Science, University College Cork, Cork

SEPTEMBER 2022 — AUGUST 2023

Bachelors in Information Science , BNM Institute of Technology, Bengaluru

APRIL 2014 — MAY 2018