Cambridge, MA
https://www.swarupmishal.com

SWARUP MISHAL

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SKILLS

- **Programming Languages:** Python, SQL, R, Java, HTML, CSS, Javascript, Linux/Shell
- **Databases & Data Integration:** MS SQL Server, MySQL, Oracle, PostgreSQL, DataHub, SSIS, Talend, Alteryx, Snowflake
- **Business Intelligence & Analysis:** Tableau, QlikSense, QlikView, PowerBI, Salesforce, SSRS, Excel, Gretl
- **Cloud & Big Data Technologies:** AWS S3, EC2, Kinesis, Redshift, EMR, QuickSight, Lambda, Hadoop, MapReduce, HBase, Hive, Pig, Spark, Kafka, MongoDB
- **Other Tools & Technologies:** GitHub, JIRA, SharePoint, Confluence

WORK EXPERIENCE

Implementation Consultant - Data Management at **NeoXam,** Boston, MA   **Nov 2017 – Current**

- Conducted walk-through, requirements gathering meetings and worked with the stakeholders for gathering specifications.
- Designed and updated existing **data models** based on the requirements after interacting with non-technical business users.
- Collaborated with **enterprise data warehouse**, data governance, and business teams on data quality issues and architecture of data repositories. Developed and tested extraction, transformation, and load (**ETL**) processes using various sources like XML, Excel, csv, REST and SOAP API, web services and JMS messages.
- Created end to end **data pipeline** from multiple databases like MS SQL Server, Oracle, and MySQL and transformed data into staging layer to have an ultimate single source of truth of data ready for the end users.
- Wrote high quality complex **SQL** queries using joins, nested subqueries, and temporary tables to generate reports for the stakeholders.
- Developed **Tableau** visualizations and dashboards integrating data from multiple data sources using Data Blending.
- Automated multiple routine tasks for end users using **Python** and **shell scripting**, which reduced the manual work by **95%**.
- Implemented data wrangling, cleaning, transforming, merging, and reshaping data frames using **Python** on **234M+** rows.
- Hosted and managed DataHub application on the cloud using **AWS**.
- Provided **project management** leadership following **Kanban** methodologies, to have streamlined execution of the projects.

Reporting and Business Intelligence Developer at **GMO LLC**, Boston, MA   **May 2016 – Dec 2016**

- Applied **Agile** & **Scrum** methodologies, following full software development life cycle (**SDLC**) gathering requirements, designing, developing, documenting, testing, and deployment in **Business Intelligence**.
- Wrote optimized **SQL** queries, designed, and implemented tables, functions, and views to generate verification reports.
- Designed **ETL** data pipeline templates for populating enterprise data warehouse and built scripts to generate direct load, SCD 1 and SCD 2 **SSIS** mappings.
- Migrated **QlikView** dashboards to **Tableau** following **OLAP** and **Data Modelling** concepts to generate integrated dynamic data visualizations for **Data Analysis** and finding **Key Performance Indicators.**
- Optimized pre-existing stored procedures joining multiple tables to implement business logic using **MS SQL Server** resulting in reduction of execution times by **2 mins** on an average.

PERSONAL PROJECTS (https://github.com/swarupmishal)

Data Visualization |Tableau   **July 2020 - Aug 2020**

- Developed several Tableau Dashboards and Stories for a Laundry-pickup services Startup data and imaginary Bank dataset in UK.
- Found insights from the data using Table Calculations, Geographic roles, Bins, Parameters, Clustering and Cross-Database joins.

Exploratory FlightAware Data Analysis | Python, Tableau   **May 2020 - June2020**

- Developed an automated app to web scrape data from FlightAware website and generate analysis and visualizations on top of it using libraries like BeautifulSoup, Selenium, Pandas, NumPy and Matplotlib.

Data Integration & BI on a Retail Store | SQL Server, SSIS, Tableau, QlikView, Power BI   **May 2018 - Aug 2018**

- Developed a **data warehouse**, integrated data from diverse sources such as CSV, SQL Server, PostgreSQL, Oracle, MySQL.
- Created mappings to extract, load facts and dimensions into warehouse using various transforms, filters, and joins.
- Performed Data Integration which involved data-conversion, error handling, loading erroneous records in rejects table, source to target mapping and calculating measures using SSIS.
- Built interactive custom dashboards to convey stories of Retail Sales, Inventory, Strategy Plan, Trends and Profits.

EDUCATION

Master of Science, Information Systems at Northeastern University, Boston, MA   **Sept 2015 – Aug 2017**
Bachelor of Engineering, Computer Engineering at University of Mumbai, Mumbai, India   **Aug 2010 – July 2014**