Md. Shah Abrar Zahin

SQL Data Engineer — Django Backend

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Professional Summary

- Writing SQL Queries with 2+ years of hands-on experience supporting production data systems
- Strong background in advanced SQL, ETL workflows, and backend-oriented data processing
- Focused on building reliable, structured datasets for reporting and backend system integration

Work Experience

System Engineer (Data Engineer)   **June 2023 – Present**
Suffix IT LTD.

- Design and maintain complex SQL queries supporting daily reporting for 5+ client systems
- Transform and normalize raw data to ensure schema consistency and data quality validation
- Deliver client-specific reports aligned with defined business rules and stakeholder requirements
- Prepare structured SQL exports to enable integration with downstream systems and services
- Administer database roles, privileges, and access policies across multiple environments
- Enforce authentication and security controls to protect sensitive organizational data

SQL Development Intern   **February 2023 – June 2023**
Suffix IT LTD.

- Developed SQL queries for recurring internal reports using Oracle and PostgreSQL databases
- Performed data aggregation and validation across multiple relational tables
- Collaborated with senior engineers to review query accuracy and performance

Education

B.Sc. in Computer Science and Engineering
Bangladesh Army University of Engineering and Technology   **Aug 2018 – Dec 2022**
Thesis: Object Detection – Comparative Study of YOLOv3 vs YOLOv7

Technical Skills

- **Databases:** Oracle, PostgreSQL, MySQL, SQL Server
- **Programming:** Advanced SQL, Python
- **Data Tools:** Apache Airflow (ETL), Pandas, Excel
- **Visualization:** Power BI, Tableau
- **Version Control:** Git, GitHub
- **Core Expertise:** Data Modeling, Query Performance Tuning, ETL Design, Data Quality Validation

Projects

- **E-commerce OneShop Sales Analysis Dashboard:** Implemented SQL-based data models and Power BI visuals to analyze sales performance and customer behavior trends
- **Yearly Sales Analysis Dashboard:** Analyzed offline retail data to identify yearly performance trends and top-performing products
- **Bike Purchase Data Analysis:** Evaluated customer purchase patterns using SQL queries and Excel-based metrics
- **Backend Data API (Django):** Built RESTful APIs using Django to expose SQL-based datasets for frontend and reporting use

Areas of Interest

- Python and Django Backend Development with RESTful APIs
- system integration
- Metadata organization, schema design, and data structure modeling
- Performance optimization and technical problem solving