

SHASHANK SONY

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PROFESSIONAL SUMMARY

SQL & Backend Engineer with deep expertise in query optimization, stored procedures, data warehousing, and ETL engineering. Hands-on experience with Oracle, PostgreSQL, MS SQL Server, SSIS, PySpark, and FastAPI in high-volume data environments.

WORK EXPERIENCE

AYE FINANCE

Gurugram, Haryana

SQL Developer - (Assistant Manager)

Nov 2025

- Designed and maintained financial data warehouses using Oracle and PostgreSQL, supporting enterprise-level reporting and analytics.
- Built and managed ETL pipelines using PySpark, performing large-scale data transformations and cleansing with Pandas.
- Developed and optimized stored procedures, functions, and validation logic to ensure accuracy and consistency of financial data.
- Created analytical views, CTEs, and window-function-based reports to enable data-driven decision-making for business stakeholders.
- Ensured data quality, integrity, and reconciliation across staging, transformation, and reporting layers of the data warehouse.
- Collaborated with analytics and business teams to improve reporting performance and data availability.

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Gurugram, Haryana

SQL Developer

Aug 2024

- Optimized SQL (joins, CTEs, indexing, partitioning, SPs, triggers, functions) reducing query execution by 25% on 3M+ records.
- Designed ERP & HRMS databases (Sales, Purchase, Ledger, Attendance) with normalization & indexing for scalability.
- Automated attendance tracking with triggers, CTEs & error handling for real-time HR analytics.
- Built dashboards & reports using views, CTEs & window functions to support decision-making.
- Ensured data integrity with TCL, error-handling & logging frameworks.
- Developed ETL pipelines using SSIS for smooth data integration.

EDUCATION

Indira Gandhi National Open University (IGNOU)

Jul 2025- May 2027

Master of Computer Applications (MCA) – Pursuing

Focus: Database Management, Backend Development, Data Warehousing and DSA

BRABU UNIVERSITY

Apr 2019 - May 2023

Bachelor of Computer Application (BCA)

Major in Computer Applications

PROJECTS

- ERP Database System:** Designed ERP DB (Sales, Purchase, Ledger, Products) with normalized tables, indexes, SPs, triggers, and role-based access.
- Web App (FastAPI + Databases):** Developed FastAPI backend with JWT auth, async APIs, SQL/MongoDB integration, logging, monitoring & strict request/response validation.

SKILLS

Databases & Data Engineering

- Advanced SQL (Joins, Subqueries, Stored Procedures, Functions, Triggers, CTEs, Window Functions, Indexing, Cursors, Partitioning, Query Optimization)
- MS SQL Server, MySQL, PostgreSQL, MongoDB (Schema Design, CRUD, Query Optimization)
- Transaction Management (DDL, DML, DCL, TCL)
- ETL Pipelines & Data Warehousing (SSIS, DataBricks, DBeaver, Pandas, PySpark, Transformation, Performance Optimization)

Programming & Backend

- Python:** OOP, Data Structures, Scripting, Pandas (Data Analysis, Data Cleaning), Pyspark(RDD, DataFrame, Spark SQL)
- FastAPI:** (CRUD APIs, JWT Authentication, Role-based Authorization, Async APIs, Middleware, Pydantic Models, SQLAlchemy)

TOOLS

Databases: MS SQL Server, MySQL (Workbench), PostgreSQL

ETL & Data Warehousing: SSIS, DataBricks

Database Management Tools: SQL Server Management Studio (SSMS), DBeaver

IDEs & Editors: VS Code, PyCharm

Version Control: Git, GitHub

Visualization & Productivity: Power BI, Microsoft Office Suite (Word, Excel, PowerPoint)

ADDITIONAL

Languages: Fluent in Hindi and English

Certifications: Python Fundamentals (Great Learning), SQL for Data Analytics (Udemy)