AKSHAY SHINDE
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SUMMARY

Experienced Database Developer and Data Engineer with 7+ years of experience in designing and optimizing relational databases, building ETL pipelines, and managing large-scale production systems.Skilled in SQL Server, PostgreSQL, Python, Databricks, and AWS. Proven ability to reduce cloud costs, improve database performance, and lead cross-functional teams.Looking to work on systems where I can apply both engineering logic and practical problem-solving to improve how data is handled at scale.

TECHNICAL SKILLS

- **Programming Language:** T-SQL, PL/pgSQL, Python, Shell scripting
- **Database development:** Microsoft SQL Server (2008 to 2019), PostgreSQL, Stored procedure, Triggers, Cursors, User defined Functions, View, DB Architecture Design & modeling, Database Normalization, Query Optimization and troubleshooting
- **ETL & Pipelines:** Databricks, SSIS, Delta Lake, Pandas, Spark
- **Cloud & DevOps:** AWS (S3, CloudWatch, EC2), Terraform, Windows server
- **Monitoring and BI Tools:** Grafana, New Relic, Slack API
- **Database Administration:** Database migration, Backups, Restores, Enterprise SQL Server upgrades
- **Other Skills:** Strong analytical, quantitative, problem solving, organizational skills, Attention to detail and ability to coordinate multiple tasks, set priorities and meet deadlines, Microsoft Office 365 (Excel, Access, Word, PowerPoint), Agile/Scrum

WORK EXPERIENCE

Entrata India *(09/2023 –Present)*
Senior Database Engineer

- Led the migration of 90% of Spark-based pipelines to EC2 by refactoring them with Pandas and native Python libraries, resulting in a 94% reduction in monthly cloud costs — from $8,000 to $500.
- Reduced Databricks cost by 60% through job refinement, cluster resizing, and code optimization.
- Improved database performance by 50% via SQL query tuning, code reviews, and schema design enhancements.
- Leading a team of 10 people, managing scrum planning, meetings, and mentoring for successful delivery.
- Built Grafana dashboards by designing aggregate tables in PgSQL and developing data pipelines to update them.
- Created dashboards in Databricks and New Relic for log analysis and performance monitoring, designing the table architecture and pipeline to load and process data for visualization.
- Loaded and transformed data from S3 into Delta Lake, designing the table architecture and building the pipeline to load data, optimizing workflows using PySpark and Pandas.
- Extracted performance metrics using GraphQL APIs and Python for deeper operational insights.
- Automated alerts for data quality and job failures using Slack webhooks in Databricks.
- Designed optimized SQL queries, views, and triggers for reporting and system integrations.
- Collaborated with business teams to coordinate development and production releases.
- Proactively monitored and resolved database issues to ensure reliability and smooth operations.

Tata Technologies Ltd *(01/2022 –09/2023)*
Senior Consultant and Database developer

- Developed ETL pipelines to efficiently fetch data from SAP databases and design the database infrastructure to store intermediate data. This data is later transferred to the application database.
- Designed and implemented a password policy in the application by creating secure tables and mechanisms to store password data.
- Achieved 50% performance improvement by optimizing database code.
- Monitored and supported databases, resolving issues proactively.
- Designed T-SQL queries, views, and triggers for reporting and integration.

- Managed production patching successfully in Feb and June 2022.
- Coordinated with business teams for development and production releases.

Capgemini Pvt Ltd   *(12/2017 – 01/2022)*
SQL Admin and developer
- Reduced alerts by 20% by detecting false alerts and analyzing critical server issues.
- Successfully implemented production patching in Feb, March, May, and June 2021.
- Managed user profiles and access levels to safeguard critical database segments.
- Monitored and supported databases, resolving issues and maintaining server health.
- Designed and optimized T-SQL queries for reporting and complex solutions.
- Documented and analyzed business reports for communication and support..

PERSONAL PROJECTS

- **Predict House Prices with Multivariable Linear Regression**   *(01/2020 – 03/2020)*

   I built a tool which can predict the current valuation of houses in Boston. While predicting value I took scale factors into account like inflation rate, dollars price. I use the Boston house price data set from Scikit-learn to build this tool. I use Python for data analysis and model building.

- **Internet of Things (IoT) in Agriculture**   (06/2016 – 04/2017)

   The main motto is to operate multiple motors and controlling valves in a farm through a web using Raspberry PI. We develop a website in the front end using HTML, CSS and PHP languages. In the backend we build a circuit which can be controlled using Raspberry- PI and Python programming language.

ACHIEVEMENTS

Person of the Week Winners for Aug'25   *(08/2025)*

   For work in the SQL deployment process.

PUBLICATIONS

Research Paper- Role of Internet of things in Agricultural irrigation (Indian Science Congress)   *(01/2019)*

CERTIFICATES

- ITIL® Foundation Certificate in IT Service Management   *(08/2020 – Present)*
- Microsoft Certified: Azure Fundamentals (AZ-900)   *(08/2021 – Present)*
- Programming SQL Server Database Triggers and Functions   *(06/2021 – Present)*
- Databases and SQL for Data Science   *(05/2020 – Present)*
- Programming SQL Server Database Stored Procedures   *(04/2021 – Pres*ent)

EDUCATION

Shivaji University, Kolhapur   *(05/2017)*
Computer Science & Engineering,   Percentage - 74.19% Average of 8 semesters