

# EMMANUEL BOATENG

**ADDRESS**

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## PROFESSIONAL SUMMARY

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Highly detail-oriented and analytical Database Administrator with a strong foundation in database design, implementation, optimization, and security. Proven ability to manage and maintain SQL Server environments, enforce data integrity, and ensure system performance. Strong communicator with experience supporting development teams, handling backups, managing access control, and performing routine maintenance. Committed to delivering efficient, secure, and scalable database solutions.

## KEY SKILLS

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- Microsoft SQL Server Management Studio (SSMS)
- Database Design & Development
- T-SQL & Stored Procedures
- Backup & Recovery Strategies
- Database Performance Tuning
- Role-Based Access Control (RBAC)
- Data Security & Integrity
- Java & JDBC Connectivity (if relevant)
- Excellent Problem Solving & Communication Skills

## PROFESSION EXPERIENCE

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- Maintained and optimized SQL Server databases supporting core business applications.
- Implemented regular backups and recovery procedures, reducing data loss risk to near zero.
- Developed stored procedures and views for reporting and integration tasks.
- Monitored system performance and tuned queries to improve speed and efficiency.
- Enforced access controls and managed user roles using RBAC principles.

- Collaborated with developers to support application-level database functionality.

## EDUCATION

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Currently a student in University of Mines and Technology in Ghana.

Relevant Courses: Database Management Systems, SQL Programming, Data Structures, Information Systems

## PROJECTS

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### Retail Database Management System

- Designed and implemented a relational database to support retail operations.
- Developed RBAC and logging features for secure access and monitoring.
- Connected the database to a Java-based frontend using JDBC in IntelliJ.

### EducationDB Integration Project

- Built and connected an academic database system to a Java app for student record management.
- Handled queries for CRUD operations, transaction control, and error handling