

## **BAYARBAYASGALAN BAYARKHUU**

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### **PROFILE**

Experienced Database Administrator with a robust background in the banking industry. Proficient in SQL Server and Oracle, with strong expertise in database optimization, data security, and automation. Capable of performing entry-level Data Engineer tasks, dedicated to enhancing operational efficiency.

### **EMPLOYMENT**

#### **Database Administrator | Data IQ | December 2023 – Present**

- Manage and optimize Microsoft SQL databases, focusing on SQL Server 2008, 2012, 2016, and 2019.
- Perform advanced performance tuning and optimization techniques for SQL Server databases.
- Implement comprehensive backup and recovery strategies to secure critical data assets.
- Develop and deploy PowerShell scripts to automate daily database restorations on the UAT environment, ensuring updated data for testing and development.
- Utilize SQL Server Management Studio (SSMS), SQL Server Reporting Services (SSRS), and SQL Server Integration Services (SSIS) to enhance database performance and manage tasks efficiently.
- Work on data warehouse projects, ensuring data integrity and optimizing ETL processes for efficient data flow.

#### **Key Achievements:**

- Automated daily database restorations in the UAT environment using PowerShell, improving testing and development processes.

#### **Database Administrator | Khan Bank of Mongolia | 2020 – 2022**

- Administered Oracle databases (RAC GI DB 11g, 18c, and 19c), GoldenGate, and Dataguard, ensuring data integrity and availability.

- Managed data migrations between SQL Server and Oracle, performing in-depth performance tuning using AWR, ADDM, and ASH reports.
- Handled backup and recovery operations using RMAN and Data Pump, implementing automation with Ansible.
- Developed and optimized SQL queries to improve data retrieval times and reporting accuracy.
- Implemented an Active-Active Cluster project, enhancing system availability and load balancing.
- Automated user management processes using ServiceNow, streamlining user provisioning and access management.

### **Key Projects:**

- Upgraded Oracle databases to version 19c.
- Completed the Oracle Exadata exit project, streamlining database operations and reducing costs.

### **Data Engineer and Database Administrator | Golomt Bank of Mongolia | 2014 – 2020**

- Designed and developed data processing scripts in Python for ETL processes, enabling seamless data extraction, transformation, and loading.
- Managed and optimized database systems, including Oracle, MSSQL, PostgreSQL, and MongoDB, ensuring high availability and performance.
- Integrated various banking systems, maintained client-server applications, and administered enterprise solutions.
- Conducted data analysis using Python libraries (e.g., Pandas, NumPy) to support business intelligence initiatives and reporting.
- Collaborated with cross-functional teams to identify data requirements and streamline data workflows.

### **Key Projects:**

- Implemented a Document Management System (DMS) in 2017, enhancing document accessibility and management.
- Deployed an ERP system in 2018, resulting in increased operational efficiency.

## **EDUCATION**

### **Bachelor of Computer Science**

Mongolian University of Science and Technology, Ulaanbaatar, Mongolia

September 2009 – January 2014

## TECHNICAL SKILLS

- **Database Systems:** Oracle 11g, 18c, 19c; SQL Server 2016, 2017, 2019, 2022; MongoDB; PostgreSQL.
- **Tools:** SQL Server Management Studio (SSMS), SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), Oracle Enterprise Manager, PowerShell, RMAN, Data Pump, GoldenGate, Dataguard, ServiceNow.
- **Operating Systems:** Redhat Linux, Windows Server.
- **Scripting and Automation:** T-SQL, PowerShell, Ansible.
- **Data Engineering Skills:**
  - Proficient in Python for data manipulation and analysis (Pandas, NumPy).
  - Familiarity with ETL processes and tools.
  - Understanding of data warehousing concepts and SQL for data retrieval.
- **Cloud Technologies:** Beginner-level knowledge of AWS, Azure, and Docker.