

BUYANTUGS "BUYA" LUVSANKHUU

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Database developer | DBA | SQL developer

Highly accomplished professional with 10+ years of hands-on experience in coding, database design, database development, data integration, optimization, modernization, and ongoing maintenance in large-scale OLTP and OLAP environments in the Telecommunication, Broadband, Media, and Fintech sectors. Leading expertise in SQL, PL/SQL, T-SQL development, relational and dimensional data modeling, query optimization, and database tuning. Demonstrated experience in requirements gathering, systems analysis, solutions design, COTS systems integrations, migrations, cutover, problem-solving, root cause analysis, change management, and product lifecycle management.

TECHNICAL SKILLS

Database: Oracle (11g, 12c, 19c), MySQL, MS-SQL Server (2012, 2014, 2016), PostgreSQL (v12), Oracle Data Guard, Data replication, CDC, Data Modeling, Tuning, Migration

NoSQL: MongoDB

SQL: PL/SQL, T-SQL, DDL, DML, procedure, function, materialized view, partitioning, with clause, merge, CTE, window functions, recursion, trigger, job

ETL: Fivetran HVR, SSIS

Languages: Python, Pandas, Java, Bash Shell Scripting

Web: JavaScript, React, React Native

Web Services: RESTful, JSON, SOAP

Frameworks: Node.JS, Express.JS

Platforms: Unix, Linux, Solaris, Windows Server

Cloud: AWS (EC2, S3, Lambda, RDS)

Methodology: SDLC, Agile, ITIL, PMBOK

Tools: Toad, DBeaver, MySQL Workbench, SSMS, SSIS, SSRS, Oracle Database Developer, UltraEdit, Putty, MobaXterm, IntelliJ, VScode, Eclipse, MS Project, MindMap, EverNote, Git, GitHub, KeePass, Jmeter, JIRA, Ansible, SFTP, ADDM, AWR, AHS

PROFESSIONAL EXPERIENCE

Senior Database Engineer,

Mobicom Corporation LLC, Mongolia

04/2020 – 03/2023

Design and Architecture, Document, Development, Reporting, Integration, and Automation for IT solutions based on stakeholders' needs from start to end. Ensure all database systems meet business and performance requirements. Lead functional and cross-functional teams.

- Developed and integrated different business domain data using SSIS and SSRS, enhancing data analysis and reporting capabilities for a subsidy company.
- Designed and developed a mobile-branded application database using Oracle, PL/SQL function, and stored procedures, subscribed to 300K customers in the first year.
- Cleanup inactive subscriber's records from a large complex OLTP Oracle database and reduced estimated data migration duration 6x times.
- Orchestrated the integration of a micro-market campaign service, using ETL (SSIS), and T-SQL procedures leading to a \$30K increase in monthly product sales revenue.
- Modernized database monitoring system and enabled 4 golden signals (Latency, Traffic, Errors Saturation) using SolarWinds tool, resulting in a Mean Time to Recovery KPI increase of 15%.
- Executed database migration from Oracle to PostgreSQL, achieving data type mapping and query compatibility, which contributed to a 5% reduction in annual operational expenses.

Senior Database Developer,

Mobicom Corporation LLC, Mongolia

04/2014 – 03/2020

Business requirement gathering, data modeling, development of ER diagram, stored procedures, functions, and other user-defined objects. Contribute to planned and unplanned projects and optimize and maintain existing database and data solutions.

- Implemented a Data Warehouse (DWH) system using the Oracle, MS-SQL Server, real-time ETL technologies, and Power-BI enabling real-time reporting capability to executives.
- Developed and integrated a new billing process for Broadband customers using PL/SQL procedure, function, package, and database objects until the next system is available.

- Involved in a contact center system modernization project by Genesys product with T-SQL development, integrated existing CRM, CTI, IVR systems enabled skill-based call routing feature, reduced agent headcount seat 10%.
- Implemented micro loan service database by MySQL database, enabling flexible loan service to market.
- Automated time-consuming GUI operation activities using SQL Profiler, and re-engineering approach, reduced operation time 10x times.
- Implemented a sophisticated database-level auditing ticket system using PL/SQL, JavaScript, React, and Express.js to resolve audit compliance.

Project Senior Engineer, **Mobicom Corporation LLC, Mongolia** **04/2012 – 03/2014**
 Conduct COTS systems (CRM, Billing, and Provisioning) implementation project from beginning to end.

- Collaborated with business units to gather requirements, incorporating them into RFP and RFQ documentation.
- Conducted a comprehensive evaluation of 9 vendors using a pair-wise approach and elaborated on short-listed proposals.
- Developed systems integration designs and solutions, managing data migration and system cutover planning with vendor engineers.
- Modernized complex Billing and provisioning systems using Ericsson and Nokia vendors solutions, expanded system capacity from 100K to 1M subs, and ensured the next 5 years of customer growth and business expansion.

Database Administrator, **Mobicom Corporation LLC, Mongolia** **04/2008 – 03/2012**
 Ensure large-scale core systems and databases support, maintenance, troubleshooting, root cause analysis, and ticket management. Installation and configuration, monitoring capacity management.

- Day-to-day view of complex core vendor systems up & running and resolve operation issues.
- Backup, recovery, restore systems and databases and work preventive maintenance activities.
- Optimize and tune system, database, and application server for effective system usage and DB performance.

Software developer, **Mobicom Corporation LLC, Mongolia** **06/2004 – 03/2008**
 Internal and external service automation

- Developed SMS-based VAS service, improving customer engagement.
- Transitioned paper-based bill invoices to an efficient web application for branches, eliminating monthly paper waste.
- Implemented sales and financial reporting using .NET C#, Java, Shell scripting, enabling timely performance insights for departments.

EDUCATION

Fairfield, Iowa, US **Maharishi International University** **2023**
 M.S in Computer Science,
Available for full-time, W-2 employment (In progress via distance education; expected completion 12/2025),
Key Courses: Web Application Programming, Modern Programming Practice, Algorithms

Ulaanbaatar, Mongolia **University of Science and Technology** **2011**
 M.S in Information Systems
 Key courses: Database management technology, Software project management, OOP, Research method of science
 Thesis topic: to improve the performance of large-scale database systems.

Ulaanbaatar, Mongolia **State University of Education** **2004**
 B.S in Computer and Mathematics Science
Key Courses: Algebra, Calculus, Probability, Data Structure, Algorithm, DBMS

CERTIFICATIONS

Hacker Rank - SQL (Advanced) [certificate](#) **2023**
 AXELOS – ITIL v4 Foundation Certificate in IT Service Management **2019**