BUYANTUGS **"BUYA"** LUVSANKHUU

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Database & Data Specialist

SUMMARY

Highly accomplished professional with over 15 years of experience in coding, database design, development, integration, optimization, and maintenance across Telecommunication, Broadband, Media, and Fintech sectors. Expertise includes SQL, PL/SQL, T-SQL development, data modeling, ETL, query optimization, and system analysis. Proven track record in solutions design, systems integration, migrations, and change management, project 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, Data profiling, Data pipeline, SQL Tuning, Data 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
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, Crystal Reports, Business Objects, Power BI, Tableau, 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   04/2020 – 03/2023
Mobicom Corporation LLC, Mongolia
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.

- Cleanup inactive subscriber's records from a large complex OLTP Oracle database, and reduced estimated data migration duration 6 times, and met migration plan deadline.
- 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.
- Orchestrated the integration of a marketing campaign product service, using ETL (SSIS), FTP, and T-SQL procedures leading to a $30K increase in monthly product sales revenue.
- Developed and integrated Mobile and Media streaming users' data using SSIS and SSRS, enhancing data analysis and reporting capabilities for a subsidy company.

Senior Database Developer   04/2014 – 03/2020
Mobicom Corporation LLC, Mongolia
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, SQL Server, ETL technologies, and Power-BI enabling near real-time sales and subscription reporting and reduced report generation time 10 times.
- Developed and integrated a new billing process for Media streaming 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 and achieved 200K subscribers in the first year.
- Automated time-consuming GUI operation activities using SQL Profiler, and re-engineering approach, reduced operation time 10 times.
- Implemented a sophisticated database-level auditing ticket system using PL/SQL, JavaScript, React, and Express.js to resolve audit compliance.

Project Senior Engineer,   **04/2012 – 03/2014**
Mobicom Corporation LLC, Mongolia
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.

Database Administrator,   **04/2008 – 03/2012**
Mobicom Corporation LLC, Mongolia
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,   **06/2004 – 03/2008**
Mobicom Corporation LLC, Mongolia
Develop internal and external products, promotions, and 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 Certifi
cate in IT Service Management   **2019**