VAAL UNIVERSITY
OF TECHNOLOGY

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DIVISION: CFO	DEPARTMENT: IT Services
POST: Senior Database Administrator	POST No: 3031 PEROMNES GRADE: 07

JOB DESCRIPTION:

The Senior DBA is responsible for the 24/7 availability of mission critical database in Production and QA environments. There is a high expectation in availability, performance and scalability of databases to support the activities of the university. The individual is also responsible for creation, maintenance and performance of the database environment. The DBA will be administering, maintaining and developing policies and procedures for ensuring the security and integrity of the database.

Key Performance Areas include but not limited to:

- Compiling project plans including resources management such as, time frames (start and end), Activities of all teams (WBS), Deliverables, Quality of a project, Scope of the project, Stakeholders, Risks associated with the project,
- Monitor teams and performs scheduled follow ups,
- Report on project progress to the stakeholders,
- Request schedule/tasks from the project team,
- Creates and maintains all databases required for development, testing and production usage,
- Works closely with system administration and system analyst for support of applications utilizing Oracle, MS SQL and MySQL databases, MariaDB and Galera Clusters,
- Plans and implements security procedures, backup and recovery of supported databases,
- Controls migrations of programs, database changes, reference data changes and menu changes through the development life cycle,
- Schedule DR tests, and document test results,
- Enforces and maintains database constraints to ensure integrity of the database,
- Administers all database objects, including tables, clusters, indexes, views, sequences, packages and procedures,
- The DBA has ultimate responsibility for the physical database design,
- Gather requirements from clients and to perform Information planning,
- Improving current business processes in place
- Performing cost benefit analysis for alternative solutions or applications
- System evaluation and feasibility studies on existing systems
- Ensure compliance with industry standards
- Perform vulnerability assessments on databases
- Improve security of databases
- Researching on new technologies,
- Determining design methodologies and design tools
- Prototyping solutions or applications for feasibility studies
- Creating and Maintaining Datawarehouse
- Creating Reports and Dashboards, and Scheduling of Reports

Qualification and Experience:

- B Tech/Honours IT Qualification or equivalent
- Oracle Certified Associate DBA (Advantage)
- Certification in ITIL Foundation (Advantage)
- Certification in Cobit Foundation (Advantage)
- Certification in Project Management (Advantage)

- 4 years Oracle experience (PL/SQL and Administration)
- 3 years of MySQL database administration experience
- 2 years Business Intelligence/Reporting (e.g Jasper)
- 5 years experience on Linux/Unix Operating systems
- 4 years ERP (e.g Integrated Tertiary Software) Technical Experience (Advantage)
- Load Balancing and Clustering of Databases (Advantage)

Skills and Competencies:
- A good knowledge of the Linux and Unix operating systems,
- Ability to perform both Oracle and also operating system performance monitoring and the necessary adjustments,
- Be able to provide a strategic database direction for the organization,
- Excellent knowledge of Oracle/MySQL backup and recovery scenarios,
- A good knowledge of Oracle security management,
- A good knowledge of how Oracle acquires and manages resources,
- A DBA should have sound communication skills with management, development teams, vendors, systems administrators and other related service providers,
- Strong experience with various MySQL and open-source monitoring tools in addition to writing custom database-monitoring scripts,
- Strong experience securing MySQL databases and implementing additional security best practices,
- Experience with various features of Oracle and MySQL; like replication, partitioning, clustering etc.

Closing date for applications: 14 July 2022

Submit CV to recruitment4@vut.ac.za.

Please Note: The application must be accompanied by a CV, identity document and ORIGINAL certified copies (not older than 3 months) of educational qualifications. Submission of such copies entitles Vaal University of Technology to authenticate the qualifications without any further consent from the applicant. Candidates with foreign qualifications must also submit the South African equivalent of the qualification. These qualifications are evaluated by SAQA. Vaal University of Technology is an equal opportunity and affirmative action employer, which is committed to the implementation of its employment equity plan. Therefore, people from designated groups are encouraged to apply. If you are not contacted within six weeks after the closing date, please accept that your application was unsuccessful.

POSITIVE ABOUT PEOPLE WITH DISABILITIES