VACANCY		

REFERENCE NR	:	**VAC00962**
JOB TITLE	:	**Advance Software Developer- (Big Data Analytics)**
JOB LEVEL	:	**D3**
SALARY	:	**R 724 276 – R 1 086 415**
REPORT TO	:	**Technical Manager: Applications**
DIVISION	:	**ADM: Exec Apps Development & Maintain**
DEPT	:	**ADM: DEV Data Analytics & Website Development**
LOCATION	:	**SITA Centurion**
POSITION STATUS	:	**Permanent (Internal & External)**

Purpose of the job

The role will be responsible to execute complex application development, maintenance projects and services and provide innovative solutions and

products that resolve challenges of government service delivery. The Advance Software Developer will be responsible for guiding and executing

the design, development, and execution of complex services and projects of ICT solutions.

Key Responsibility Areas

- Lead the development of functional requirements that articulate clear and concise project deliverables that are compatible with user expectations.
- Deliver feasibility and cost-benefit analysis, including choice of application architecture to enhance the overall application development process
- Lead, and execute complex software development and customisation projects spanning multiple environments to ensure that it is successfully delivered.
- Lead, and develop/ customise complex applications services solutions by studying information needs; consulting with clients, studying systems flow, data usage and work processes; investigating problem areas; following the software development lifecycle using SITAs software development stack/ development framework.
- Lead and execute maintenance of integrated IT software components using SITAs software development stack/ development framework
- Ensure execution of and participate in comprehensive test activities to test program functionality for new and existing applications in compliance with SITA test methods and testing techniques using SITA approved testing tools
- Lead, manage and execute packaging and releasing of integrated IT software components in accordance with ICT standards and the enterprise architecture for Government.
- Evaluate existing applications responsible for and understand how to modernize.

Qualifications and Experience

Minimum: 3 – 4-year National Higher Diploma / National Degree in Software Engineering/ Computer Science /Information Technology or relevant qualification equivalent to NQF Level 6. A postgraduate qualification OR

Bachelor's Degree in Software Engineering/ Computer Science /Information Technology or relevant equivalent NQF Level 7 OR 8 Will be an added advantage. Vendor certification for applications will be an added advantage.

Experience: A minimum of 7 years' experience using the following technologies to develop: Java or/and Scala programming language

- Web Application Technologies (Servlets, JSF, EL, JSP, JSTL, HTML, CSS, BOOTSFACES, PRIMEFACES etc)
- Enterprise Application Technologies (JPA, JTA, JMS, EJB etc
- Web Services Technologies (JAX-RS, JAX-RPC, JAXR)
- Management and Security Technologies (Security API,) Experience using the following technologies to develop: Java or/and Scala programming language

Experience implementing big data analytics solutions, the experience should include use of Apache Hadoop, Python, Apache-Spark, Apache Kafka, Mongo DB, Apache Hive, Jupyter Hub, Linux.

Technical Competencies Description

Knowledge of: ICT Governance and Compliance. Extensive knowledge to design test plans according to the software requirements specification. Extensive knowledge of the software development process and its technologies. Programming Languages. Development, Implementation and Integration Methodologies, including Testing, Packaging and Release. IT Quality Management. Business Process Management. General Management, including Business, Human Resource. Management and General Financial Management. ICT Procurement practices. IT Security and ICT Standards. COTS (Commercial of the Shelf) Products. OSS (Open Source Software) Products. Application Maintenance and Support. Enterprise architecture framework (TOGAF, Zachman, FEAF, MODAF, GWEA Framework, MIOS). Extensive knowledge of user interfaces designs. Extensive knowledge of solution Integration strategies and tools Comprehensive knowledge of Cloud Computing Extensive knowledge of source control and version control tools like Git and SVN Comprehensive knowledge of virtualisation and containerisation Comprehensive knowledge of DevOps (Continuous Integration, Continuous Delivery, Continuous Testing, Continuous Monitoring Infrastructure as Code, Config Management) Comprehensive knowledge of Agile Methodologies (Feature-Driven Development, Test-Driven Development, Scrum, Extreme Programming) Extensive knowledge of coding Extensive knowledge of software testing techniques and tools Extensive knowledge of software team leadership.

Other Special Requirements
N/A.

How to apply

Kindly forward your CV to: Malebo.recruitment@sita.co.za

Closing Date: 23 September 2021

Disclaimer

SITA is an Employment Equity employer and this position will be filled based on Employment Equity Plan. Correspondence will be limited to shortlisted candidates only. Preference will be given to members of designated groups.

- If you do not hear from us within two months of the closing date, please regard your application as unsuccessful.
- Applications received after the closing date will not be considered. Please clearly indicate the reference number of the position you are applying for.
- It is the applicant`s responsibility to have foreign qualifications evaluated by the South African Qualifications Authority (SAQA).
- Only candidates who meet the requirements should apply.
- SITA reserves the right not to make an appointment.

- The appointment is subject to getting a positive security clearance, the signing of a balance scorecard contract, verification of the applicants' documents (Qualifications), and reference checking.
- Correspondence will be entered to with shortlisted candidates only.
- CV`s from Recruitment Agencies will not be considered.
- CV's sent to the incorrect email addresses will not be considered