REFERENCE NR	:	**VAC00968, 0970 & 0971**
JOB TITLE	:	**Software Developer (Big Data Analytics) X3**
JOB LEVEL	:	**C5**
SALARY	:	**R 455 638 – R 683 457**
REPORT TO	:	**Technical Manager**
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

To research, design, install, test and maintain and enhance software systems write and coding of individual programmes in accordance with ICT standards and the enterprise architecture for Government.

Key Responsibility Areas

- Develop/ Design software or customize the software for client use with the aim of optimizing operational efficiency using SITAs software development stack/ development framework;
- Coordinate software system installation and monitor equipment functioning to ensure specifications are met;
- Produce detailed specifications and writing the programme codes;
- Maintain the integrated IT software components systems once they are up and running; and
- Develop integrated technical service specifications for single or multiple software components to clearly set the direction for procuring or building software components.

Qualifications and Experience

Minimum: 3 years Diploma / Degree in ICT (Computer Science, Information Systems, Technology and Engineering) or related field.

Experience: 3 - 5 years' experience with full software development lifecycle (SLDC), within systems development, implementation and maintenance/enhancements of solutions in the corporate sector organisation.

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)

Basic knowledge of big data analytics solutions, knowledge of apache Hadoop, python, Apache-spark, apache Kafka, Mongo DB, Apache Hive, Jupyter hub, Linux.

Technical Competencies Description

Knowledge of: Understanding of computer science including algorithms, data structures, operating systems and databases. Understanding of the user requirement process. Understand various tools and techniques in identifying functional requirements of the software. Knowledge of Governance e.g. Cobit and ITIL Knowledge of the software development process and its technologies Knowledge to design and develop test plans and software simulator to facilitate different levels of testing. Knowledge to report the results of different levels of testing report, the discrepancies between the software and its related documents. Knowledge of design techniques, tools and principles involved in the production of precision technical plans, blueprints, drawings and models. Understand the requirements for verification and validation of design documentation, verify and validate different levels of software/system design. Development methodologies (e.g. RUP, OpenUp, Agile), SDLC COTS (Commercial of the Shelf) Products Security (Software and Technologies). Software Development Fundamentals. Software Requirements. Comprehensive knowledge of software testing techniques and tools Comprehensive knowledge and experience with one or more of the major programming languages as specified on required. Comprehensive knowledge and experience with one or more of the major database systems, MySQL, MsSQL, Oracle, Mongo, etc Comprehensive Team-working experience.

Technical Competencies: Application Development, Application Maintenance and Support, Database Administration.

Other Special Requirements
N/A.

How to apply

To apply please log onto the e-Government Portal: www.eservices.gov.za and follow the following process;

1. Register using your ID and personal information;
2. Use received one-time pin to complete the registration;
3. Log in using your username and password;
4. Click on "Employment & Labour;
5. Click on "Recruitment Citizen" to create profile, update profile, browse and apply for jobs;

Or, if candidate has registered on eservices portal, access www.eservices.gov.za, then follow the below steps:

1. Click on "Employment & Labour;
2. Click on "Recruitment Citizen"
3. Login using your username and password
4. Click on "Recruitment Citizen" to create profile, update profile, browse and apply for jobs

For queries/support contact eRecruitmentSupport@sita.co.za

 CV`s sent to the above email addresses will not be considered.

Closing Date: 05 August 2022

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 applicant's 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 address will not be considered