



## VACANCY

REFERENCE NR	:	VAC01125
JOB TITLE	:	Senior Software Developer – Geographical Information System
JOB LEVEL	:	D2
SALARY	:	R 500 909 - R 834 848
REPORT TO	:	Technical Manager
DIVISION	:	ADM: Exec Apps Development & Maintain
Department	:	Transversal Solutions
LOCATION	:	SITA Centurion
POSITION STATUS	:	Permanent (Internal & External)

### Purpose of the job

To lead the design, implementation, debugging, documentation, release and maintenance of software-based solutions, write code and enhance software/systems in accordance with ICT standards and the enterprise architecture for Government.

### Key Responsibility Areas

- Lead the design and development of new features for the software systems, and improvement of the existing ones;
- Implementation, debugging, documentation and release of the software solutions;
- Provide maintenance and enhancement support of the existing systems;
- Perform software systems coding assignments;
- Supervision of the Software development team.

### Qualifications and Experience

**Minimum:** 3 year National Higher Diploma/ Bachelor's degree in ICT (Computer Science, Information Systems, Technology and Engineering) or related field.

**Experience :** 6 - 7 years experience with full software development lifecycle (SLDC), including GIS Server solution development, operational responsibility in a large corporate/public sector organisation. The experience must include Experience in solution analysis, and development for the development, implementation and maintenance/enhancements of GIS systems within the corporate/public sector, including: Successfully developed and implemented applications Software development team leadership competency Software development deliverable effort planning, estimations and execution management Developed efficient and effective IT solutions to diverse and complex business problems. Extensive experience with a wide variety of database management systems and maintenance. Extensive experience with a wide variety of programming languages and technologies. Extensive experience with working on multiple tasks and report status. Experience in interacting with customers.

## Technical Competencies Description

**Knowledge of:** Solid understanding of computer science including algorithms, data structures, operating systems and databases. ICT Governance and Compliance Governance e.g. Cobit and ITIL Strong knowledge to design test plans according to the software requirements specification. Broad and extensive knowledge of the software development process and its technologies. Extensive knowledge of design techniques, tools, and principals involved in the production of software requirements specifications, models and designs. Strong knowledge of user interfaces. Strong knowledge of solution Integration strategies and tools Working knowledge of Cloud Computing Strong knowledge source control and version control tools like Git and SVN Working knowledge of virtualisation and containerisation (Docker, Kubernetes) Working knowledge of DevOps (Continuous Integration, Continuous Delivery, Continuous Testing, Continuous Monitoring Infrastructure as Code, Config Management) Working knowledge of Agile Methodologies (Feature-Driven Development, Test-Driven Development, Scrum, Extreme Programming) Extensive background in coding Extensive knowledge of software testing techniques and tools Extensive knowledge of software team leadership IT Quality Management e.g. ISO9001 and CMMI IT Security ICT Standards COTS (Commercial of the Shelf) Products OSS (Open Source Software) Products IT Strategies and Architectures Strong knowledge of data integration tools Execution of Architecture methods and practices e.g. TOGAF and GWEA.

**Skills:** GIS Server, Image Server and GIS Desktop. Exposure to ESRI ArcGIS Server, ESRI ArcGIS Image Server, ESRI ArcGIS Desktop, SQL Database technology, Web system development in HTML and JavaScript, will be an added advantage. Application Development, Application Maintenance and Support, and Database Administration.

**Leadership Competencies:** Customer Experience, Collaboration, Communicating and Influencing, Honesty, Integrity and Fairness.

## Other Special Requirements

N/A

## How to apply

Kindly send your CV to: [Malebo.recruitment@sita.co.za](mailto:Malebo.recruitment@sita.co.za)

**Closing Date: 25 May 2021**

## Disclaimer

SITA is an Employment Equity employer and this position will be filled based on Employment Equity Plan. Correspondence will be limited to short listed 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 a right not to make an appointment.
- Appointment is subject to getting a positive security clearance, the signing of a balance score card 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 incorrect email address will not be considered