VACANCY		

REFERENCE NR	:	**VAC00205/23**
JOB TITLE	:	**Advanced Software Developer (AI - Artificial Intelligence)**
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 Application Development Services (IoT and AI)**
LOCATION	:	**SITA Centurion**
POSITION STATUS	:	**Permanent (Internal & External)**

Purpose of the job

This role will be responsible for application development, application maintenance, procurement of solutions/services and provisioning of innovative solutions to improve government service delivery. The AI Advance Software Developer will be responsible for advising clients, leading/guiding team members, executing projects, designing, developing, testing, and delivering of complex ICT solutions.

Key Responsibility Areas

- Lead the functional requirements gathering and analysis to articulate clear and concise project deliverables that are compatible with the business expectations.
- Lead, and develop/ customise complex solutions by studying information/business needs; consulting with clients, studying systems flow, data usage and business processes; investigating problem areas; following the software development lifecycle using SITAs software development stack/ development framework.
- Deliver feasibility and cost-benefit analysis and integrated solution design, including choice of application architecture to enhance the overall application development process. Ensure that the proposed solution complies with the minimum interoperability standards, personal information act requirements and architecture design principles.
- Lead, and execute complex software development projects spanning multiple environments to ensure that the required solution is successfully delivered.
- Lead and execute the maintenance of integrated IT software components using SITAs software development stack/ development framework.
- Ensure execution of and participate in comprehensive test activities to quality assure the system 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 to identify modernisation/standardisation requirements and develop related delivery strategies.
- Establish and maintain the AI governance, and methodology/frameworks.

Qualifications and Experience

Required Qualification: 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 post graduate 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 in the ICT field, including IT Governance, IT Planning, systems development/procurement, implementation and maintenance/enhancements of integrated solutions across multiple software platforms with senior operational responsibility in a large corporate/public sector organisation including:

- Minimum of 4 years' experience leading the specification, design, development, configuring, testing, deployment and maintenance of AI, Machine Learning and Deep Learning solutions.
- Experience in defining and specifying neural network requirements.
- Extensive experience in software development in Python and AI frameworks.
- Extensive experience within AI solution design and implementation in multiple business domains.
- Extensive Experience in data/image collection, storage and processing technologies required to deliver AI solutions.
- The following experience will be an added advantage:
    o Experience in DevOps and Agile Methodologies
    o Experience in systems modernisation and standardisation
    o Experience in the Java, Scala and R programming languages

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.

How to apply

1.   To apply please log onto the e-Government Portal: www.eservices.gov.za and follow the following process;
2.   Register using your ID and personal information;
3.   Use received one-time pin to complete the registration;
4.   Log in using your username and password;
5.   Select Recruitment Jobs;
6.   Select Recruitment Citizen to browse and apply for jobs;

7.   Once logged in, click the Online Help tab for support if needed.

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

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

Closing Date: 08 June 2022

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 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 incorrect email address will not be considered