

DEPARTMENT OF PUBLIC WORKS

The Department of Public Works is an equal opportunity, affirmative action employer. The intention is to promote representativity in the Public Service through the filling of these posts and with persons whose appointment will promote representativity, will receive preference.

- APPLICATIONS** : The Director-General, Department of Public Works Private Bag X65, Pretoria, 0001 or Hand delivered at, Corner Madiba (Vermeulen) and Bosman Street, Central Government Offices Building, Pretoria
- CLOSING DATE** : 29 September 2017
- NOTE** : An indication by candidates in this regard will facilitate the processing of applications. If no suitable candidates from the unrepresented groups can be recruited, candidates from the represented groups will be considered. People with disabilities are encouraged to apply. Applications must be submitted on a signed Form Z83, obtainable from any Public Service department and must be accompanied by a comprehensive CV, recently certified copies of qualifications and an Identification Document. Applications not complying with the above will be disqualified. Should you not have heard from us within the next months, please regard your application as unsuccessful. Note: It is the responsibility of all applicants to ensure that foreign and other qualifications are evaluated by SAQA. Recognition of prior learning will only be considered on submission of proof by candidates. Kindly note that appointment will be subject to verification of qualifications and a security clearance. Faxed, e-mailed or late applications will NOT be accepted. People with disabilities are encouraged to apply

OTHER POSTS

- POST 38/34** : **SNR GIS DEVELOPER: INFORMATION TECHNOLOGY REF NO: 2017/144**
(24 Months Contract)
- SALARY** : R 779 295 per annum
- CENTRE** : Head Office (Pretoria)
- REQUIREMENTS** : A three year tertiary qualification in Computer Science or equivalent qualification. Extensive experience in GIS Development. Person must be willing to do data processing, importing and exporting. Must demonstrate programming skills and experience with current object-oriented programming techniques, and work experience in the following: C#, Java, .NET, C++, HTML, JavaScript and/or similar, with ability and willingness to learn others as needed. Database experience required in at least one of the following: Microsoft SQL, Oracle, or similar. Development and implementation of GIS applications on latest versions of ESRI. C# or VB.net with Arc Objects. .Net Remoting, Windows Services and Web Services. A valid driver's licence.
- DUTIES** : Applies professional proficiency in the development of custom software applications and the coordination of related activities in support of projects that meet clients' software development needs. Participates in client needs analyses. Develops customized applications by writing well-documented code in the applicable environment to meet documented software requirements. May participate in collection, conversion, and assembly of data in a variety of formats. May participate in documentation and diagramming of business and technical requirements. May participate in database/application design. Performs maintenance tasks on existing projects following the project's established architecture/design. Prepares data documentation for projects, following prescribed Best Practices. Maintains continued knowledge of technology developments in the field and use of applicable programming languages. Monitors quality control within area of responsibility. Manages commitments to complete tasks within given schedule and budget. Performs such other duties as the Supervisor may from time to time deem necessary. To create Robust Software Modules, based on the design and guidance provided by the Solution Architecture Team, with high technical standards, using extreme programming techniques. Transfer documentation and knowledge to the Product Support Team. Web application evaluation, testing, configuration and implementation. Windows Server

operating systems and client-server operations. Thorough understand of ESRI GIS production Geo-database. Perform web and mobile application development using JavaScript, HTML5, CSS, AJAX for the Esri ArcGIS platform. Provide support, troubleshooting, modifications, enhancements and maintenance for existing GIS applications, scripts, tools and web services.

**ENQUIRIES
FOR ATTENTION**

: Mr T. Msiza, Tel: 012 406 1713
: Ms N.P Mudau

POST 38/35

: **SYSTEMS ARCHITECT: INFORMATION TECHNOLOGY REF NO: 2017/145**

**SALARY
CENTRE
REQUIREMENTS**

: R 779 295 per annum
: Head Office (Pretoria)
: A three year tertiary qualification in Computer Science or equivalent qualification. Extensive IT experience. System analysis and design experience (Essential). Strong technical background and career progression. Familiarity working with 3rd party vendors to ensure the delivery of high quality designs that conform to the solutions architecture defined. Technical background with a deep and up-to-date understanding of best practice application/solution architectures. Exposure to Architectural frameworks such as TOGAF, UML. Experience and/or understanding of enterprise data governance and data quality. Experience in Data and Systems Modelling. Experience in Systems Architecture implementations. Have managed at least one complex systems architecture implementation. Hands-on experience with designing new systems based on business requirements. Substantial / general knowledge of hardware and software. Knowledge of various domains within a system such as infrastructure, data processes and platforms. Strong communication, interpersonal and report writing skills. Self-driven, independent individual with troubleshooting and problem solving skills. Understanding of Linux and Open Source will serve as an advantage. A valid driver's licence.

DUTIES

: As a Solution Architect you will be responsible for the definition of appropriate end-to-end cross platform solutions to meet requirements. Work closely with Business, Application, Data and Technology Analysts to define required solutions. Own and create complete Solution Architectures including all associated documentation within architecture principles and governance. Review and quality assure the artefacts created by external suppliers and internal teams to ensure the quality of delivered solution to fulfil business requirements and adhere to strategic vision. Review of data models utilized by 3rd parties and internal applications. Facilitate design / solution workshops. Manage the integration design between internal applications, and to/from external parties. Manage the structure/design of the Enterprise Service Bus. Develop procedures to be able to predict response times from affected applications and hardware of projected volumes. Provide input into the planning and project management processes, including advice on sequencing of deliverables. Work in both traditional waterfall and agile environment. Engage with business and client partners to communicate technology architecture and ensure adherence in solution design. Data and Systems Modelling. Liaise with customer base (company management) on system requirements and integration with business processes. Interact with technical department and other members of ISD on performance monitoring and improvements, bandwidth consumption, and related software and technical issues. Scope / strategy sessions with the customer base / technical team to determine the longer term, strategy and other complimentary platforms within the global corporation that fit the Enterprise Architecture of the Organisation.

**ENQUIRIES
FOR ATTENTION**

: Mr T. Msiza, Tel: 012 406 1713
: Ms N.P Mudau

POST 38/36

: **SENIOR SYSTEMS DEVELOPER: INFORMATION TECHNOLOGY REF NO:
2017/143**
(24 Months Contract)

**SALARY
CENTRE
REQUIREMENTS**

: R 657 558per annum
: Head Office (Pretoria)
: A three year tertiary qualification in Computer Science or equivalent qualification. Etensive experience in similar role. Experience with firewalls, load balancers and

system security. Familiarity with Agile/ Scrum. Extensive IT experience. Extensive experience in system analysis and design experience (Essential). Strong SQL knowledge and skills (Essential). Strong java skills (Essential). Strong OO programming and solid technical skills. Strong Microsoft.Net (C#) skills (Essential). Knowledge of the Software Development Lifecycle (Essential). Understanding of public sector environment. Strong knowledge of Design Patterns; MVC or other generally accepted patterns. Understand and code XML, XSD, HTTP, JSON, Ajax and SOAP protocols. Knowledge of Persistence frameworks (Hibernate would be beneficial). Understanding of Domain Driven Design concepts. 4 years exposure to software development in Java and J2EE Additional requirements. Strong communication, interpersonal and report writing skills. Self-driven, independent individual with troubleshooting and problem solving skills. Understanding of Linux and Open Source will serve as an advantage. Be able to learn new technologies and appreciate that development practices are continuously evolving and you strive to evolve with them. Must be an organised and methodical developer who believes that writing beautiful code is just as important as the functionality the code provides. Developing web services in a SOA architecture. Design patterns, refactoring and unit testing. Best practises and procedures related to custom software development. Securing and optimising applications. Source control management. Min 4 years' experience as a Senior Systems Developer Team Lead. Database development including relational database design and TSQL. Full life-cycle development on medium to large projects. Candidate must have ability and willingness to learn other technologies in the related field as needed. A valid driver's licence.

DUTIES

: Required to assist in the development of application code, by liaising with other developers via designing and planning to satisfy the requirements of business users. Coach Developers to ensure that code standards and the development process are adhered. Plan and implement solutions for effective development of a program in order to meet specifications and deadlines. Required to stay abreast of industry standards. Plan and execute Unit Testing, Systems Integration Testing, and archiving of test results. Assist in the development of System/Functional Documentation, operations manuals, systems processes, and technical designs. Is accountable for getting these documents done. Work with Systems Analyst in the writing of technical specifications according to functional requirements. Contribute to the translation of functional requirements into design specifications, according to the development standards in area of responsibility. Perform peer reviews. Responsible for developing quality code according to technical specification. Analyse, resolve difficult/complex system issues, by working with the end-users and other IT support staff. Effectively manage the design (technical specs), building, manageability and sustainability of 'in-house' applications (SDLC, change control, capacity and performance planning etc.). Effectively manage the integration, manageability and sustainability of hosted or procured system applications. Mentoring and training of junior developers. Assist in maintaining the in-house systems and develop the new modules and systems that will support the functions, train and support the customers that use the system.

ENQUIRIES FOR ATTENTION

: Mr T. Msiza, Tel: 012 406 1713
 : Ms N.P Mudau

POST 38/37

: **ASSISTANT DIRECTOR: FINANCIAL REPORTING REF NO: 2017/146**

SALARY CENTRE REQUIREMENTS

: R 417,552 per annum
 : Head Office (Pretoria)
 : A three year tertiary qualification in Financial Accounting or equivalent. Extensive relevant experience. Completed articles will be an advantage. A valid driver's licence and willingness to travel for official purposes Knowledge: A candidate must have public sector experience. PFMA, Treasury Regulation, GRAP, Financial system (SAGE, LOGIS, PMIS). Skills: Sound analytical, problem identification and solving skills, communication skills (written and verbal), report writing and presentation skills, problem solving, analytical thinking, and time management skills. Ability to work independently, Computer literate (advanced Excel skills). Ability to meet deadlines.

DUTIES : Effective management of movable assets. Liaison with line function relating to the required financial information for financial reporting purposes. Preparation of disclosure notes to the Annual Financial Statements in line with GRAP Framework. Effective application of sound financial management in accordance with PFMA and recognized accounting practices and policies. Improve the control environment within finance and line function. Ensure effective corporate governance processes and sound resources management. Support the Director: Financial Reporting in preparation of the Annual Financial Statements and all other functions.

ENQUIRIES FOR ATTENTION : Ms D McDonald, Tel (012) 406 1132
: Ms N.P Mudau

POST 38/38 : **ASD: LOGISTICS FINANCIAL REPORTING AND TRAVEL COMPLIANCE (LOGISTICAL SERVICES) REF NO: 2017/140**

SALARY CENTRE REQUIREMENTS : R334 545 per annum
: Head Office (Pretoria)
: A three year tertiary qualification in the related field. Extensive and relevant experience in Public Service financial experience with specific focus on compliance, travel and subsistence advances and claims, accommodation and travel payments, fruitless and wasteful expenditure. Candidates must have knowledge and understanding of the public sector financial administration relating to the listed duties and the provisions of the PFMA and Treasury Regulations, Public Financial Management Act. Good knowledge of government processes. Ability to develop and apply policies. Ability to perform under pressure. Willingness to work overtime. Must have a valid driver's license. Excellent knowledge of Excel. Competency Skills required: Computer literacy, Numerical Skills, Accuracy, Planning and Organizing, Management Skills, Leadership and Communication (verbal and written). A good understanding of BAS, Persal, SAGE and Logis.

DUTIES : Manage all Financial Reporting, Travel Compliance & Orders and travel related services, Travel and Subsistence Claims and Advances and Reporting Unit. Monitor that accounts are correctly used and ensure that they are cleared as prescribed for month and year-end closure. Assist in compiling notes to the Annual Financial Statements, Review travel agency reconciliations. Manage fruitless and wasteful expenditure. Monthly reporting on invoices exceeding 30 days. Provide information/audit response to internal and external auditors. Develop and implement policies.

ENQUIRIES FOR ATTENTION : Ms N Zama Tel: (012) 406 1756
: Ms N.P Mudau

POST 38/39 : **ASD: STRATEGIC SUPPORT: OFFICE OF THE DDG: SH&SCPDU REF NO: 2017/141**

SALARY CENTRE REQUIREMENTS : R334 545 per annum
: Head Office (Pretoria)
: A Three year tertiary qualification in Business Management or related qualification. Knowledge: Project management, Government planning process, Government reporting process. Skills: Strategic planning capability, Project management, information and knowledge management, people management, problem solving and policy analysis, communication (verbal and written) computer literacy. Personal attributes: Innovative, creative, Resourceful, liasing skills, ability to effectively and efficiently under pressure and people orientated. A Valid driver's licence. A willingness to travel.

DUTIES : Receive information on identified projects for Operation Phakisa, Request and collate project performance information, Adhere to the departments strategic planning process, Conduct consultations with the unit in order to prepare for the strategic planning process, Draft unit performance targets, Finalise units performance targets, Monitor the units performance against the APP and provide reports to the relevant units, Provide the units performance information for the Annual Report, Supporting the internal and external audit processes, Attending meetings, Reporting on meetings, Facilitate the implementation of meeting resolutions, Monitor international projects and report on progress. Draft submissions, letters and internal circulars, all communication drafted and

communicated as requested, Draft reports and presentations for internal and external engagements, Draft responses to Parliamentary Questions, Draft speaking notes for the DDG, DG, Minister and any other person as instructed by the DDG.

**ENQUIRIES
FOR ATTENTION**

: Mr D Govender Tel: (012) 406 2195
: Ms N.P Mudau

POST 38/40

: **ASD: ANALYST DEVELOPER: INFORMATION TECHNOLOGY (X2 POSTS)
REF NO: 2017/142**

**SALARY
CENTRE
REQUIREMENTS**

: R334 545 per annum
: Head Office (Pretoria)
: A three year tertiary qualification in Computer Science or equivalent qualification. Appropriate experience in analyst development/Information Technology. Experience with firewalls, load balancers and system security. Familiarity with Agile/ Scrum. Minimum 4 years system analysis and design experience (Essential). Strong SQL knowledge and skills (Essential). Strong java skills (Essential). Strong OO programming and solid technical skills. Strong Microsoft.Net (C#) skills (Essential). Knowledge of the Software Development Lifecycle (Essential). Understanding of public sector environment. Strong knowledge of Design Patterns; MVC or other generally accepted patterns. Understand and code XML, XSD, HTTP, JSON, Ajax and SOAP protocols. Knowledge of Persistence frameworks (Hibernate would be beneficial). Understanding of Domain Driven Design concepts. 3 years exposure to software development in Java and J2EE Additional requirements. Strong communication, interpersonal and report writing skills. Self-driven, independent individual with troubleshooting and problem solving skills. Understanding of Linux and Open Source will serve as an advantage. Candidate must have ability and willingness to learn other technologies in the related field as needed. A valid driver's licence.

DUTIES

: Required to partake in the development of application code, by liaising with other developers via designing and planning to satisfy the requirements of business users. Coach Junior Developers to ensure that code standards and the development process are adhered. Plan and implement solutions for effective development of a program in order to meet specifications and deadlines. Required to stay abreast of industry standards. Plan and execute Unit Testing, Systems Integration Testing, and archiving of test results. Assist in the development of System/Functional Documentation, operations manuals, systems processes, and technical designs. Is accountable for getting these documents done. Work with Systems Analyst in the writing of technical specifications according to functional requirements. Contribute to the translation of functional requirements into design specifications, according to the development standards in area of responsibility. Perform peer reviews. Responsible for developing quality code according to technical specification. Analyse, resolve difficult/complex system issues, by working with the end-users and other IT support staff.

**ENQUIRIES
FOR ATTENTION**

: Mr T. Msiza, Tel: 012 406 1713
: Ms N.P Mudau