



stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

Statistics South Africa (Stats SA) provides scientific knowledge that enables society to understand complex socio-economic phenomena. It draws its mandate from the Statistics Act, 1999 (Act No 6 of 1999). Stats SA strives to excel in the following five competencies: • Intellectual capability to lead the scientific work of statistics • Technological competence for purposes of large-scale processing and for complex computations and accessibility of information to the public • Logistical competence for deployment of (forward and reverse) logistics of large-scale field operations and for strategic choices regarding operational efficiency and cost-effectiveness • Political competence in understanding the political environment without being political or politicised (commitment of delivery without fear of favour) • Administrative competence: the ability to bring it all together.

Project Data Scientist

(One contract position exists until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)

(Salary Level 13: R1 057 326 all-inclusive remuneration package per annum)

(Ref: No.: 21/01/20HO)

Key Performance Areas: • Coordinate and review census/ surveys data processing strategic plan, methodology, operational plan and technical specification • Identify valuable data sources and automate collection process for census/surveys • Undertake pre-processing of structured and unstructured data • Provide technical guidance on data processing • Integrate data processing activities with content development, ICT and data collection on methodology.

Prerequisites: • A three-year tertiary qualification (NQF 7) in Computer Science/ Statistics/ Applied Mathematics or related • At least six years' experience in data processing, database programming and data analytics • Extensive background in data statistical analysis • Experience and coding knowledge with programming languages such as Scala, Java, C#, Python and R Programming • Knowledge of advance statistical techniques and concepts (regression, properties of distributions, statistical tests and proper usage and experience with application • Knowledge and experience in statistical techniques: GLM/ regression, random forest, boosting, trees, social network analysis.

Person Profile: • This position will suit a person with: Good communication, interpersonal relations, pattern recognition and prediction modelling skills • Ability to work under pressure and long hours to meet deadlines • A dynamic hard-worker who is self-driven, innovative, result oriented and passionate about statistics and methodology • Ability to understand various data structure and common methods in data transformation and apply machine learning to data.

Principal Systems Developer

(Three contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)

(Salary Level 11: R733 257 all-inclusive remuneration package per annum)

(Ref: No.: 15/01/20HO)

Key Performance Areas: • Participate in gathering and analysis of user requirements • Develop, maintain and run update procedures on databases from external sources • Develop, maintain and run complex extract procedures on databases and existing applications to provide to users • Participate in design of complex high quality applications and relational database • Develop and test complex applications • Develop complex user manuals and training of users • Undertake the review and quality control of developed applications • Provide user support and technical consulting support on projects • Supervise staff.

Prerequisites: • A three-year tertiary qualification in IT or related field • At least five years' experience in programming • Relevant working experience with HTML5/XHTML PHP, ASP.Net, MVC, CSS3/Bootstrap, JavaScript/jQuery, Knockout/AngularJS and Mobile Development • Experience working with relational databases such as MySQL, MSSQL or Oracle and a good working knowledge of SQL • Experience in SDLC and/or Agile Methodologies • Advanced knowledge of Object-Oriented Programming • Experience in content management systems, will be an advantage • Knowledge of Linux Administration and troubleshooting, will be an advantage • Experience in mobile platform development, will be an advantage.

Person Profile: • This position will suit a person with: Good communication, time management, interpersonal relations, project management, presentation, analytical, decision making and problem solving skills • Ability to work under pressure and long hours to meet deadlines • A hard-worker who is persistent, dedicated, committed, reliable, innovative and self-motivated • Ability to work independently and in a team • Willingness to travel.

Principal Database and Application Server Administrator
(Four contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)
(Salary Level 11: R733 257 all-inclusive remuneration package per annum)
(Ref: No.: 16/01/20HO)

Key Performance Areas: • Develop relevant policies, procedures, guidelines, standards and project plans • Conduct research into new techniques, technology and solutions • Install and ensure administration and optimization of database servers, application servers and related components • Ensure the designing, development, implementation, monitoring, maintenance and performance tune databases • Establish and maintain appropriate end user database access control levels • Interact with stakeholders • Define and perform database backups, recovery and archiving according to plans • Providing assistance, guidance, and coaching support as needed.

Prerequisites: • A three-year tertiary qualification in IT or related field and DBA certification • Training in Relational database management and optimization, Application server management and optimization, project management and software/product specific training is essential • At least five years working experience in database administration • Working technical experience with designing, building, installing, configuring and supporting database and application servers • Experience in database tuning, troubleshooting, data processing flowcharting techniques, server performance tuning, monitoring tools and application support • Working knowledge of relational databases, database scripts, storage technologies, server security, business process and reengineering, systems development life cycle methodologies and database security • Knowledge of technology architecture, web infrastructure, IT security, project management, database design and management, technology trends and development, applicable data privacy practices and laws.

Person Profile: • This position will suit a person with: Good communication, time management, customer service orientation, interpersonal, leadership, research, project management, presentation, analytical, decision making and problem solving skills • Ability to work under pressure, on standby and long hours to meet deadlines • A hard-worker who is persistent, highly self-motivated and driven, dedicated, committed, reliable, innovative and self-motivated • Ability to work independently and in a team • Ability to pay attention to detail • Willingness to travel.

Principal Systems Analyst
(Two contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)
(Salary Level 11: R733 257 all-inclusive remuneration package per annum)
(Ref: No.: 17/01/20HO)

Key Performance Areas: • Implement stakeholder strategies, frameworks, policies, procedures, guidelines and standards • Facilitate and analyse business requirements and produce user requirement specifications • Ensure designing of complex relational databases • Design complex and quality integrated systems and applications • Ensure training of users • Ensure testing of integrated applications • Facilitate production and implementation of applications • Ensure provision of user support • Project management.

Prerequisites: • A three-year tertiary qualification in IT or related field • Five years' experience in system analysis and relational database design • Systems Development Agile methodology experience • Experience in development of processes and standards • Knowledge of systems and data architecture.

Person Profile: • This position will suit a person with: Good communication, time management, interpersonal relations, project management, presentation, analytical, decision making, conflict resolution, facilitation and problem solving skills • Ability to work under pressure and long hours to meet deadlines • A hard-worker who is persistent, dedicated, committed, reliable, innovative and self-motivated • Ability to work independently and in a team • Willingness to travel.

Principal Network Administrator

**(Two contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)
(Salary Level 11: R733 257 all-inclusive remuneration package per annum)**

(Ref: No.: 18/01/20HO)

Key Performance Areas: • Ensure installation and upgrade of Servers, Local Area Network/Wide Area Network • Ensure installation and upgrading of software • Develop or review security related policies and standards, provide inputs on the component's strategy and manage projects. • Conduct research on latest technology • Build capacity of stakeholders • Manage network related documentation • Supervise staff.

Prerequisites: • A three-year tertiary qualification in IT or related field • Training in IT Project Management is essential • At least five year's working experience as a Networking Administrator • Experience with advanced trouble-shooting, server and network configurations • Knowledge of Technology Architecture, Web Infrastructure, Project Management, telecommunications, IT security management, technology trends and development • Basic knowledge of applications and systems software construction, database design and management • Knowledge of VMWare.

Person Profile: • This position will suit a person with: Good communication, prioritisation, project management, interpersonal relations, research, and problem solving skills • A hard-worker who is persistent, patient, creative and have a strong sense of standards • Ability to work independently and in a team • Ability to work under pressure and long hours to meet deadlines • Willingness to travel, work overtime and on standby.

Storage Area Network Specialist

**(Three contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)
(Salary Level 11: R733 257 all-inclusive remuneration package per annum)**

(Ref: No.: 19/01/20HO)

Key Performance Areas: • Implement and administer Storage Area Network (SAN) solution • Install and upgrade servers • Ensure training of users • Planning and acquisition of IT storage and related resources • Facilitate budget and ensure availability of storage and backup products according to SLAs • Facilitate IT projects.

Prerequisites: • A three-year tertiary qualification in IT or related field • Training in A+, Managing StorageWorks EVA, SAN Fundamentals, Accelerated SAN Essentials. MCSA, MCSE • At least six years technical experience in a storage related position • Experience in working with big, critical environments and complex Storage Area Networks, back-up and recovery solutions, performance analysis, design/redesign of SAN architecture, server and network configurations, systems administrations, databases, file and data structures • Knowledge of HP Storage Works Disk Array Family (EVA 8000), HP Storage Works Library Family, HP Software components for Disk Arrays and Tape Libraries, High Availability and Performance in Storage Area Networks, I/O performance requirements for Windows and clustering • Knowledge of risk assessment procedures, policy formulation, role-based authorization methodologies and authentication technologies • Understanding of databases and other complex applications • Knowledge of MS Office Suite.

Person Profile: • This position will suit a person with: Good communication, planning, organising, interpersonal relations, project management, presentation, supervisory, analytical, decision making, report writing and problem solving skills • Ability to work independently and in a team • Ability to work under pressure and long hours to meet deadlines • Ability to effectively adapt to rapidly changing technology and apply it to business needs • Willingness to travel.

Systems Developer

(Three contract positions exist until 31 March 2022 in the Census 2021 Project at Head Office, Pretoria)

(Salary Level 9: R 376 596 per annum)

(Ref: No.: 20/01/20HO)

Key Performance Areas: • Participate in gathering and analysis of user requirements • Develop, maintain and run update procedures on databases from external sources • Develop, maintain and run extract procedures on databases and existing applications to provide to users • Participate in the technical design session of applications and relational database • Develop and test applications • Develop user manuals and training of users • Provide user support and maintenance of existing projects.

Prerequisites: • A three-year tertiary qualification in IT or related field • At least three years experience in programming • Relevant working experience with HTML5/XHTML PHP, ASP.Net, MVC, CSS3/Bootstrap, JavaScript/jQuery and Knockout/AngularJS, Mobile Development • Experience working with relational databases such as MySQL, MSSQL or Oracle and a good working knowledge of SQL • Experience in content management systems troubleshooting will be an added advantage • Knowledge of Linux Administration and troubleshooting will be an added advantage • Experience in mobile platform development will be an added advantage.

Person Profile: • This position will suit a person with: Good communication, time management, interpersonal relations, project management, presentation, analytical, decision making and problem solving skills • A hard-worker who is persistent, dedicated, committed, reliable, innovative and self-motivated • Ability to work independently and in a team • Ability to work under pressure and long hours to meet deadlines • Ability to work on multiple projects simultaneously • Willingness to travel.

Short-listed applicants must be willing to undergo a competency exercise as part of the selection process.

Closing date for applications: 21 February 2020

Important note: Applications must be submitted online on the following link: www.statssa.gov.za/recruitment

Enquiries: Kindly contact the following officials:

Ms Lehlohonolo Dooka – 012 336 0161

Ms Nontobeko Bongobi – 012 337 6381

Stats SA endeavours to promote the careers of previously disadvantaged persons by applying the principles of appropriate legislation, e.g. Employment Equity Act, 1998.