**NSFAS**
National Student Financial Aid Scheme

# Job Specification & Recruiting Profile of Vacancy

**03 September 2019**

The following vacancy exists at NSFAS in Cape Town.

| Position | Senior Data Architect | Type & Grade | Permanent Grade: 13 |
|---|---|---|---|
| Vacancy No | 104 of 2019/20 | Department & Unit | ICT Department |

**POSITION OVERVIEW:**

Developing database solutions to store and retrieve company information, Installing and configuring information systems to ensure functionality and analysing structural requirements for new software and applications.

**RESPONSIBILITIES:**

| Key Performance Areas (KPA's) | Outputs |
|---|---|
| 1. Develop database Solutions | a) Develop enterprise-wide, integrated database solutions to store and retrieve company information<br><br>b) Optimize new and current database systems. |
| 2. Database design and modelling | a) Design conceptual and logical data models and flowcharts<br><br>b) Collaborate with developers on design for optimum performance. |
| 3. Data analysis | a) Building a data architecture to enable operational management and BI reporting. |
| 4. Write SQL coding | a) Write Transactional SQL to create databases, update data and build ETL solutions using best practices. |
| 5. Data integration and Migrate | a) Migrate data from legacy systems to new solutions<br><br>b) Develop integration patterns and practices to ensure data integrity and security |
| 6. System performance | a) Improve system performance by conducting tests, troubleshooting and integrating new elements. |
| 7. Security and backup procedures | a) Define security and backup procedures |
| 8. Project planning | a) Contribute to project planning discussions, provide status updates for development progresses. |

**DESIRED SKILLS AND EXPERIENCE**

**Minimum requirements:**

- BSc in Computer Science, Bachelor's degree in Information Technology or relevant field

- 10 + years of experience in database design, data migration and integration, data management and SQL scripting.

- Minimum of 5 years of lead experience in data warehousing.

- Proven work experience as a Data Architect, Data Scientist, Data Analyst or similar role

- In- depth understanding of database structure principles
- Knowledge of data mining and segmentation techniques

**Preferred:**

- Knowledge of NoSQL databases

**Beneficial skills and Competencies:**

- SQL server
- Data design and modelling
- Data warehousing
- Data analytics
- Good written and verbal communication skills
- Analytical skills
- Problem – solving
- Strong people management skills

**REMUNERATION & BENEFITS**

**Remuneration Package:**
R 1 033 205 to R 1 217 082 per annum

Total Cost to Company per annum inclusive of all benefits and company contributions.

**PLEASE NOTE**

**Closing date: 17 September 2019**

Interested applicants should send detailed Curriculum Vitae, copies of academic qualifications and names of three contactable referees to Ms. Thokozile Mnikina via email jobs@nsfas.org.za. NSFAS do not consider late applications. Staff on Leave must ensure that they check the NSFAS portals for advertised vacancies and familiarize themselves with the respective closing dates. NSFAS only corresponds with Shortlisted Candidates. If you do not hear from NSFAS within 2 months of the closing date, please consider your application unsuccessful.

** NSFAS committed to employment equity. Preference will be given to candidates who improve employment equity considerations **

National Student Financial Aid Scheme

10 Brodie Road, House Vincent, 2nd Floor, Wynberg, Cape Town, 7700 | Private Bag X1, Plumstead, Cape Town, 7800
Tel No.: 0800 067 327 | 021 763 3200 |  Email: jobs@nsfas.org.za