

Job Advert for Software Developer

The Job Position

Position Number	DC0021
Job Title	Software Engineer - Oracle
Position	DotNet Software Engineer / Developer
Job Level	Junior / Intermediary / Senior
Department	Development Centre
Physical Location (Company)	Software Factory in Centurion Office
Work Location	<ul style="list-style-type: none"> • Software Factory based in Centurion • Offsite at Client Sites most of the time. • Travelling in SA and abroad for long term and short-term projects from time to time – passport a prerequisite
Date of Appointment	On Request
Type of Appointment	Sub-Contractors Project (typical 2-5 years)
Purpose of the Job	Work within Oracle development team on data-oriented applications for the GBM Infostack based solutions
Job Functions	<ul style="list-style-type: none"> • Development on Oracle using PL/SQL <ul style="list-style-type: none"> ○ Take requirements and commit to specs ○ Setup an Oracle Data base ○ Code application logic in PL/SQL according to acceptable quality standards, and handle DDL and DML SQL Code with proficiency ○ Design Test Matrices, Test Cases, and Test Data ○ Maintain Documentation ○ Maintain Code in Source Management Software ○ Profile Applications and optimise code ○ Ensure compliance with quality standards • Interfacing with Customer • Collaborate and work within Team with designated responsibilities, work estimation, time recording and related project disciplines



Competencies	<ul style="list-style-type: none"> • Acumen for technical thinking • Intelligent • Responsible • Methodical • Technical skill • Problem solving and analysis capability • Logical deduction and reasoning ability • Good verbal communication • Ability to work within a team • Results driven and quality focused • Able to produce advanced documentation
References	<ul style="list-style-type: none"> • References from the last 3 projects are compulsory and will be verified • 3 years SQL experience
Enquiries & Application	<p>Submit written job applications:</p> <ul style="list-style-type: none"> • Together with resumes • Together with previous employer references • Indicating when available for interviews – should it be required.
Email Address	jobs@systemmethodologies.co.za
Applications: Closing Date	Perpetual
Date Published	6/13/2019 1:32:00 PM
Experience	2 years Oracle development experience
More Information	Refer to the detailed adverts at www.infomet.com/pages/main/contact_us.html



The Job Responsibilities

Industry Experience (one or more areas)	Financial Services and/or Banking, Investments, Insurance, etc. Retail Sector – Supply Chain Management, Logistics, Warehousing, Distribution, Retail, Procurement, Cost Modeling, Financial Modeling, etc. Manufacturing
Knowledge and Skills	<ul style="list-style-type: none"> • Experience inf RDBM's, in particular Oracle 12c Release 2 • Database Programming in <ul style="list-style-type: none"> ○ Relational Model ○ SQL <ul style="list-style-type: none"> ▪ Data Definition (DDL) ▪ Data Manipulation (DML) ○ DB Coding Standards ○ PL/SQL ○ Transitioning <ul style="list-style-type: none"> ▪ Short ▪ Long ○ Embedded Java ○ Exception Handling ○ Multi-Dimensional Layers <ul style="list-style-type: none"> ▪ Cube ▪ Rollup ○ Pseudo code on DB ○ Optimisation of code • Software and Utilities/Tools <ul style="list-style-type: none"> ○ SQLPlus ○ SQL*Loader ○ Command line scripting • Components and Libraries <ul style="list-style-type: none"> ○ Standard Oracle Packages ○ 3rd Party API Libraries ○ Backend Components • Web Programming <ul style="list-style-type: none"> ○ XML ○ Javascript (AJAX) ○ Web Services ○ Web scripting languages ○ Networking ○ Basic networking and TCP/IP • Software Construction Techniques <ul style="list-style-type: none"> ○ Object Technology & Methodology ○ Object Oriented Programming <ul style="list-style-type: none"> ▪ Inheritance ▪ Encapsulation ▪ Polymorphism ▪ Method Overloading ▪ Function Templates • Advance Application Architecture <ul style="list-style-type: none"> ○ Event driven programming ○ Multi-tier programming ○ Reflection • .NET Remoting



Development Methodology Knowledge and Experience

Methodology:

- Specification development
- Application Features
- Modelling (DSL, UML or Infomet)
 - Data Modelling
 - Function Modelling
 - Process Modelling
 - Object Modelling
 - State Transition Diagram
 - Pseudo Code
 - Program Structures
- Coding
 - Standards
 - Coding
 - Programs
 - Source Control
 - 3 Years - Component writing
 - Interfaces
 - API Libraries
- Data Base Programming
 - RDBMS
 - MS SQL Server experience
 - Oracle PL/SQL Development
- Experience using BI Tools
- Test Case Preparation and Participation
- Documentation
 - Templates
 - Standards

Development Project Knowledge and Experience

Project Life Cycle Knowledge & Tools:

- Phases and Stages
- Application Segmentation
- Development Schedule
- Development Estimation
- Development Project Plan
- Knowledge of Development Life Cycle
- Work Breakdown Structure (WBS)
- Time Recording
- Version Control
- Source Code Management
- Debug Tools
- Profiling Tools
- Testing & Tools

Team Functioning:

- Documenting Skills
- Team interaction
- Commitment
- Participation
- Dedication, etc.
- 2 Years - Implementation of Object Oriented SDLC



Advanced Development Technologies and Experience

Front End Development

- Program Structure
 - Logical level
 - Class
 - Modules
- Program Language Features
 - Methods
 - Properties
 - Inheritance
 - Pseudo Code
 - Interfaces

WEB Development

- HTML5, CSS3 & Java Script (Libraries)
 - Bootstrap
 - Angular
 - UIKit
 - DevExpress for ASP
- XML
- Frames
- Java SP
- Active X
- AJAX
- Responsive or Dynamic

Data Base Programming

- Data Definition (DDL)
- Data Manipulation (DML)
- DB MS Types
 - Relational
 - Multi-Dimensional
 - Cube
 - Rollup
 - Memory Resident
- Coding
 - Standards
 - Pseudo Code
 - Transactioning
 - Short
 - Long
 - Exception Handling
 - Optimization

Multi-Tier: (Advanced Programming Skills)

- Tiering & Layering
- Persistence
- Application Services
- Threading & Multiprocessing
- Services & Connections
- Scalability
- Fail over Safety

