

## Job Advert for dotNet Component Writer

### The Job Position

<b>Position Number</b>	DC0002
<b>Job Title</b>	MS.NET/Java Component Writer
<b>Position</b>	MS.NET/Java Component Writer
<b>Job Level</b>	Senior
<b>Department</b>	Consultation Centre
<b>Physical Location (Company)</b>	Software Factory in Centurion Office
<b>Work Location</b>	<ul style="list-style-type: none"> <li>• Software Factory based in Centurion</li> <li>• Offsite at Client Sites most of the time.</li> <li>• Travelling in SA and abroad for long term and short-term projects from time to time – passport a prerequisite</li> </ul>
<b>Date of Appointment</b>	On Request
<b>Type of Appointment</b>	Permanent / Sub-Contractors Project (typical 2-5 years)
<b>Purpose of the Job</b>	Create the appropriate set of object classes correctly for the required solution – usually to accelerate the building / assembly of applications by system builders / developers.
<b>Job Functions</b>	<ul style="list-style-type: none"> <li>• Work within .NET development team on data-oriented applications.</li> <li>• Development on .NET using VB.NET or C#.NET</li> <li>• Team Lead</li> <li>• Architectural Lead</li> <li>• Customer Interfacing</li> <li>• Assist Project Manager <ul style="list-style-type: none"> <li>- Work estimates for team</li> <li>- Allocation of tasks</li> </ul> </li> <li>• Work estimation, Time recording and related project disciplines</li> </ul>



<b>Competencies</b>	<ul style="list-style-type: none"> <li>• Technical Skill &amp; Acumen for Technical thinking</li> <li>• Problem Solving &amp; Analysis</li> <li>• Oral Communication</li> <li>• Ability to work within a team</li> <li>• Intelligent</li> <li>• Responsible</li> <li>• Methodical</li> <li>• Logical deduction and reasoning</li> <li>• Results driven and quality focused</li> <li>• Advanced Documentation</li> </ul>
<b>References</b>	References from the last 3 projects are compulsory and will be verified
<b>Education</b>	BSc Degree
<b>Enquiries &amp; Application</b>	<p>Submit written job applications:</p> <ul style="list-style-type: none"> <li>• Together with resumes</li> <li>• Together with previous employer references</li> <li>• Indicating when available for interviews – should it be required.</li> </ul>
<b>Email Address</b>	<a href="mailto:jobs@systemmethodologies.co.za">jobs@systemmethodologies.co.za</a>
<b>Applications: Closing Date</b>	Perpetual
<b>Date Published</b>	6/13/2019 1:33:00 PM
<b>Experience</b>	<ul style="list-style-type: none"> <li>• Business Engineering skills</li> <li>• Exposure to one or more of the classes of business design principles.</li> <li>• Designing the Ideal Business / Business Design Principles. These classes of design principles are not the only techniques required in the technique set of a Business Engineer. A technique set to facilitate an object-oriented business design will supplement these classes.</li> <li>• Business Processes</li> <li>• Methods Engineering</li> <li>• A configurable approach</li> <li>• An understanding of particular technique's deliverable</li> <li>• An understanding of the result of the specific sequences of particular techniques (technique integration)</li> <li>• Project Management</li> <li>• Organisational behavior consulting</li> <li>• Change Management</li> <li>• Must have practical experience of architecture in terms of understanding the effort required to effect change in an organisation through projects. This issue revolves around identification of sub-projects, initiating sub-projects, scoping and controlling the scope of sub-projects as well as ensuring architectural context and relevance thereof, at all three architectural levels.</li> <li>• The Business Engineer must co-ordinate and ensures alliance between the three architectural levels.</li> <li>• Approximately 10 Years job related work experience</li> <li>• Large Complex Project Exposure</li> <li>• Exposure in working in large Enterprise Organisations</li> </ul>



**More Information**

Refer to the detailed adverts at [www.infomet.com/pages/main/contact\\_us.html](http://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**

- Skills in Object Technology & Methodology
- Advance Application Architecture
- Software Construction Techniques
- Entire .NET Framework
- VB.NET and C#.NET
- ASP.NET
- ADO.NET
- Windows Forms
- Relational databases (SQL Server or Oracle)
- Object Oriented Programming
  - Inheritance
  - Encapsulation
  - Polymorphism
  - Method Overloading
  - Function Templates
- Event driven programming
- Multi-tier
- Microsoft COM+
- .NET Remoting
- XML
- Web Services
- Web scripting languages
- Assemblies
- Reflection
- Basic networking and TCP/IP



## 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

