

Job Advert for Software Developer

The Job Position

Position Number	DC0001
Job Title	Software Engineer - DotNet
Position	DotNet Software Engineer / Developer
Job Level	Junior / Intermediate / 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 .NET development team on data-oriented applications.
Job Functions	<ul style="list-style-type: none"> • Development on .NET using C#.NET <ul style="list-style-type: none"> ○ Take Requirements ○ Commit to Specs ○ Design API ○ Code ○ Create Test Data ○ Test ○ Document • Interfacing with Customer 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	References from the last 3 projects are compulsory and will be verified
Enquiries & Application	Submit written job applications: <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
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"> • Programming <ul style="list-style-type: none"> ○ C#.NET ○ ASP.NET ○ ADO.NET • Components and Libraries <ul style="list-style-type: none"> ○ Entire .NET Framework ○ Knowledge of (Component) API Libraries ○ Assemblies ○ User Interface Components ○ Back End Components ○ Windows Forms ○ Microsoft COM+ • Web Programming <ul style="list-style-type: none"> ○ XML ○ Javascript (AJAX) ○ Web Services ○ Web scripting languages ○ Networking <ul style="list-style-type: none"> 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

