

BUSINESS UNIT: NICD
DISCIPLINE: ADMINISTRATION AND MANAGEMENT
LOCATION: SANDRINGHAM
POSITION: ANALYST DEVELOPER
PAY GRADE: C5
REFERENCE NUMBER: NICD0121/001-07

Provide complex IT software solutions by working closely with business users throughout all phases of the software development lifecycle (SDLC) in support of the Institutes business processes.

Key Job Responsibilities

■ Follow and use proper project management principles on all projects ■ Participate in projects to understand new target systems' processes and provisioning needs and implement solutions ■ Communicates any and all progress, roadblocks, issues to the team and management in a timely manner ■ Facilitate Joint Analysis and Design (JAD) sessions, conduct business interviews and other information gathering techniques in order to determine business requirements ■ Analyse and document business requirements in consultation with users according to appropriate methodology and techniques ■ Design complex technical solutions in line with the Business requirements to ensure clarity and completeness of the solution ■ Develop and debug complex system components in line with technical specifications for quality implementation purposes ■ Determine and evaluate performance measures of the system to ensure optimal utilization ■ Scrub, manipulate and load data from other sources into the systems to ensure accuracy and correctness of information ■ Provides code review, testing, debugging, technical documentation, general testing instructions, and lead/assist in go-live planning, go-live moves, and post-live support ■ Troubleshoot and support issues identified ■ Ensure all change management and compliance procedures are being followed ■ Oversee resources associated with the design, development, testing and implementation phases of projects to ensure quality deliverables and assist in their growth ■ Provide training and documentation to relevant stakeholders to ensure they understand and can achieve optimal system utilization ■ Perform other duties as required or assigned by emergency or other operational reasons for which the employee is qualified to perform.

Minimum Requirements and Key Competencies

■ Three year Degree (Computer Science/ Software Development/Software Engineering) ■ Project Management qualification (desirable) ■ Three (3) years' experience as a Software Developer ■ Three (3) years Microsoft .NET 3.5+ development using C# ■ Three (3) years Microsoft .NET technologies including: WCF, WPF, WF, LINQ and EF ■ Three (3) years' experience with web and mobile development technologies including ASP .NET, MVC3, JavaScript, AJAX and CSS ■ Three (3) years' experience with database development including relational database design, SQL and ORM technologies ■ Three (3) years' experience with user interface design and prototyping ■ Experience with source control management systems and continuous integration / deployment environments ■ Experience in leading and managing the delivery of system/ software development projects in a structured environment ■ Experience in the usage of UML ■ Experience configuring and development customizations for Microsoft SharePoint ■ SDLC ■ Automated testing ■ Software development approaches and methodologies including Agile and Waterfall ■ Multi-threading and concurrency ■ Debugging, performance profiling and optimization ■ Comprehensive understanding of object-oriented and service-oriented application development techniques and theories.

Enquiries may be directed to Gomotsang Mogomane @ 011 386 6425, email application to Recruiter2@nicd.ac.za