



INTERNAL ADVERTISEMENT DIVISION: OFFICE OF THE CHIEF INFORMATION OFFICER		
REFERENCE NUMBER	POSITION PERMANENT	NUMBER OF VACANCIES AVAILABLE
OCIO: 22/2020	SOFTWARE ENGINEER ANNUAL SALARY PACKAGE: R376 530.00 – R470 662.00 CTC	1

MICT SETA seeks to employ a suitably qualified and competent **Software Engineer**, responsible for the design and development of new software products or major enhancements to existing products that incorporate software in the overall functionality of the system.

The successful incumbent will be based at MICT SETA Head Office, in Midrand and will report to the Chief Information Officer.

This is a permanent position aligned to the Government Gazette No. 375 dated 7 March 2019.

MINIMUM REQUIREMENTS:

- Diploma in Computer Science, Computer Engineering or Equivalent
- 2 years experience in developing moderately complex software in C, C++, C#, Java, assembly language and supporting Microsoft technologies Development and Application Support.
- Expert C ++ or embedded C developer
- Windows Server Administration and Automation
- Networking and storage technologies including Load-Balancing, IP Scopes, DHCP, DNS, NFS, SAN and vendors such as Cisco, EMC and NetApp
- Professional knowledge of the full software development life cycle

KEY PERFORMANCE AREAS:

Design and enhancements to software products

- Lead in the design or enhancements of software programs of the MICT SETA
- Provide technical expertise and recommendations to management for new technologies and software applications in response to business needs

- Assist with the creation of plans, testing processes and recovery procedures for systems and applications
- Contribute to the development of technology roadmaps

Applications programming

- Installation, configuration & management of multi Forest; group policy objects; Active Directory Domain Services (ADDS) and Certificate Services, and available ADFS servers
- Administration and troubleshooting of the MS Active Directory; Key Management Services (KMS); Dynamic Host Configuration Protocol (DHCP); Remote Desktop Services (RDS); and Domain Name System (DNS)
- To plan, design, deploy Active Directory and to perform Active Directory migrations/upgrades
- Installation, upgrading and configuration of core Windows roles and features, including applications within a Microsoft Server IIS environment
- Manages software assets throughout the life cycle with the desired outcome of license compliance and avoiding overspend on software
- Creation and maintenance of File Share servers, including folder and permissions structures and quotas as well as Remote Desktop Servers (RDS), including Gateway services

Testing and reporting

- Develop and execute moderately complex test plans, including software functionality, integrity, and security based on industry tools and practices, departmental guidance and policies
- Gathers, analyzes, prepares and summarizes recommendations for approval of system and programming documentation as defined by management
- Analysing and troubleshooting performance and workload trends
- Ensuring the correct metrics are being monitored for system availability
- On-going maintenance and creation of documents for messaging environments (housekeeping, health checks etc.)
- Conduct risk management as and when necessary
- Ensuring that response times are kept within the parameters set in the SLA, including proactive problem identification and resolution

IT Security

- Work with business leaders to define business applications security, based on organizational roles/responsibilities and best practice segregation of duties.
- Analyses complex software, hardware and transmission systems for potential risks
- Responsible for recommending security solutions to address identified risks, convincing business of the need to implement within agreed time frame to mitigate against violations, threats and exposures.

KNOWLEDGE AND SKILLS:

- Good interpersonal skills

- Good people management skills
- Report writing skills
- Excellent verbal and written communication skills
- Time management
- Analytical skills

ATTRIBUTES:

- High attention to detail
- Customer oriented
- Ability to handle pressure
- Results and deadline driven

APPLICATION

Applications from Indians, Coloureds and whites will be considered as per current MICT SETA employment equity targets . CVs and certified qualifications of suitably qualified persons may be forwarded to the Human Resources Department for the attention of: Mr Bassanio Gilbert (Recruitment@mict.org.za) by no later than **11 December 2020**. Enquires may be directed to 011-207-2600.

Should candidates not hear from us 30 days after the closing date of applications, they should consider their application unsuccessful.



MICT SETA is an equal opportunity and affirmative action employer and reserves the right not to appoint for the advertised position. **MICT SETA welcomes applications from people with disabilities.**



MICTSETA

Media, Information And
Communication Technologies
Sector Education And Training Authority

SHAPING SKILLS. PIONEERING INDUSTRIES. EMPOWERING FUTURES