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| **JOB DESCRIPTION** | | | | | | |
| **DATE:** | | | | | | |
| COMPANY: |  | | JOB TITLE: | | SOFTWARE ENGINEER | |
| DEPARTMENT: |  | | CURRENT INCUMBENT: | |  | |
| DIRECT SUBORDINATES: |  | | INDIRECT SUBORDINATES: | |  | |
| BRIEF DESCRIPTION: | | The post of software engineer entails researching, designing, developing, and testing operating systems-level software and network distribution software. It also consists of setting operational specifications and formulating and analysing software requirements. | | | | |
| QUALIFICATIONS & REQUIREMENTS: | | * A bachelor’s degree in a computer-related field or equivalent; * Ability to use logic and reason to identify the strengths and weaknesses of alternative solutions, and to give full attention to what other people are saying; * Ability to identify complex problems and reviewing related information to develop and evaluate options and implement solutions. | | | | |
| COMPETENCIES: | | * Attention to Detail — Job requires being careful about detail and thorough in completing work tasks. * Analytical Thinking — Job requires analysing information and using logic to address work-related issues and problems. * Independence — Job requires developing one's own ways of doing things, guiding oneself with little or no supervision, and depending on oneself to get things done. * Initiative — Job requires a willingness to take on responsibilities and challenges. * Achievement/Effort — Job requires establishing and maintaining personally challenging achievement goals and exerting effort toward mastering tasks. | | | | |
| TASKS: | | * Elaborate Software and Hardware Architecture orientation and monitor compliance to design principles and guidelines; * Advise customer about, or perform, maintenance of software system; * Document business requirements using formalism such as UML or other object-oriented modelling tools; * Analyse information to determine, recommend and plan installation of a new system or modification of an existing system; * Confer with data processing and project managers to obtain information on limitations and capabilities for data processing projects; * Consult with customers or other departments on project status, proposals and technical issues such as software system design and maintenance; * Consult with engineering staff to evaluate interface between hardware and software, develop specifications and performance requirements and resolve customer problems; * Coordinate installation of software system; * Direct software programming and development of documentation; * Write computer programmes of higher complexity or with specific performance, connectivity or business logic requirements; * Modify existing software to correct errors, to adapt it to new hardware or to upgrade interfaces and improve performance; * Prepare reports and correspondence concerning project specifications, activities and status; * Store, retrieve, and manipulate data for analysis of system capabilities and requirements. | | | | |
| LINES OF COMMUNICATION: | | SPECIFY | | | | |
| WORKING CONDITIONS: | | Indicate whether the position is half time or full time. List any unique working conditions such as hours  etc. | | | | |
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| SIGNATORIES: | | | | | |  |
|  | NAME: | | | DATE: | | SIGNATURE: |
| INCUMBENT: |  | | |  | |  |
| LINE MANAGER: |  | | |  | |  |
| HR MANAGER: |  | | |  | |  |