***This old UMB job description was created between 2000 and 2014 and is being provided as a template or guide in the preparation of a current job description. The essential functions are general in nature and may not accurately depict the duties of a specific unit. Managers are encourage to update and provide specific duties that are applicable to work being performed in the unit.***

Job Title: **IT Applications Programmer & Developer, Lead**

Job Family: Information Technology

Sub Family: IT - Applications Development

**Job Summary:**

Independently creates, develops, tests, and implements application software to meet business requirements of a University of Maryland, Baltimore department or division. Contributes to projects intended to develop software, interfaces, or databases to improve automation, reduce error, or improve accuracy. Assists in the on-going support and maintenance of software applications. This positions primary responsibility is coding creation, implementation, and maintenance of new, non-enterprise, software applications.

**Essential Functions:**

Contributes to the design, development, program coding, and maintenance of software application based on client requirements.

Works with senior staff to understand clients desired software functionality, contribute to application project management by creating application program specifications and code, adhere to project timelines, and documents procedures.

Ensures application integrity and efficiency by performing software application testing and validation procedures. Aids in ongoing application troubleshooting, updates, or repairs.

Confer with other team members to obtain information on project limitations and capabilities, performance requirements, and interfaces. Works closely with database and systems personnel to maximize function and effectiveness of applications.

Store, retrieve, and manipulate data for analysis of system capabilities and requirements. Ensures basic quality assurance of data and software produced.

Performs other related duties as assigned.

**Minimum Qualifications**

Education: Bachelors in Information Technology, Computer Science, Systems Administration, Computer Engineering or a related field.

Experience: Two (2) years in software development

Licensure/Certification:

Other: Equivalent six (6)years combination of formal informational systems and application development education/training and/or application development experience.

**Knowledge, Skills, and Abilities**

*Managers may provide prefered knowledge, skills, and abilities as necessary.*

Job Code: E0722D

SOC Code: 151132 IPEDS: Computer

EEO6 Code: Professional State Code: 9749504

USM eCode: E40076 AAP Code: 3A