

Class Code:.....0950
Position #: (PTAA)...
Developed by:.....CF
Reviewed by:.....SG
Approved by:.....
Date: ...04/14; 08/2014

UNIVERSITY OF RHODE ISLAND
Position Description

TITLE: Technical Programmer
DIVISION: Academic Affairs - Media & Technology Services
REPORTS TO: Manager, Internal Systems, University Computing Systems
GRADE: 12

BASIC FUNCTION:

Participate, lead and assist in the architecture, installation, programming, upgrade, and maintenance of server hardware and software, including operating systems and application software, in support of the overall University mission and goals. Integrate Enterprise Software, Hardware and Systems.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

Participate, lead and assist in the design, procurement, programming, installation, implementation, testing and maintenance of multiple operating systems software in a server environment. Assist in the installation and integration of application software with hardware and software as required.

Work with ITS teams and University Stakeholders to architect systems to meet current and future needs, including integration with other URI systems, in-house, custom, vendor and external.

Participate in the development needs, analysis and requirements for server hardware purchases, maintenance plans, resource requirements and impact to the University Operations Center.

Install, apply modifications, upgrades, and patches to systems, application, and operating systems, with defined requirements as directed and to maintain systems at optimal levels of security and performance.

Monitor and report on systems performance and security, including space allocation, user activity and other related monitoring activities. Responsible for pro-active responses to issues of performance, space usage and security.

Review integrations between database software, application software and operating systems software participating and at times, leading efforts to create new integrations as well as improve and maintain existing integrations.

Maintain up-to-date knowledge about Operating systems software, hardware and communications systems in a server environment.

Provide technical support to the University community as needed in relation to software, hardware and the associated integration and performance.

Technical Programmer (PTAA) (0950)

Page 2 of 3

Create and maintain documentation in accordance with department standards.

Be a member of a project team and assist by aiding in the development of plans for installation upgrading of hardware, software and associated integration.

Perform other related duties as assigned.

OTHER DUTIES AND RESPONSIBILITIES:

Assessing and evaluating emerging technologies and the integration of these to URI academic and administrative support.

Assist in assessing software related to the technical evaluation of applications packages and evaluation of and recommending systems software and hardware.

Assist in developing strategies conforming to evolving standards that are relevant to higher education institutions and ensure adherence of systems to University and industry computing standards.

Investigating new systems, assessing technical needs, and evaluating use of systems as a technical representative on interdepartmental teams.

Evaluation of resource requirements, including analyses/feasibility studies needed for developing/implementing specialized software and systems.

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Assist in developing strategies conforming to evolving standards that are relevant to higher education institutions and ensure adherence of systems to University and industry computing standards.

Investigating new systems, assessing technical needs, and evaluating use of systems as a technical representative on interdepartmental teams.

Evaluation of resource requirements, including analyses/feasibility studies needed for developing/implementing specialized software and systems.

LICENSES, TOOLS AND EQUIPMENT:

Computers, printers; word processing, spreadsheet and database software; Linux operating systems.

ENVIRONMENTAL CONDITIONS:

This position is not substantially exposed to adverse environmental conditions.

QUALIFICATIONS:

Required:

Bachelor's degree; a minimum of 2 years of demonstrated experience in the support of Linux operating systems in a networked server environment; Demonstrated experience in the installation, troubleshooting, and maintenance of server hardware and Linux operating systems in a server environment; demonstrated experience in server network management in a technology services organization; demonstrated experience with Linux scripting languages; demonstrated experience performing duties and responsibilities with minimal supervision; demonstrated ability to work as a member or leader of an integrated project team consisting of end-user and technical staff; demonstrated ability to coordinate and lead technical projects; demonstrated to organize and coordinate projects and associated tasks; demonstrated ability to work with conflicting multiple priorities; demonstrated willingness to learn and support new programming languages and technologies; demonstrated ability to clearly communicate and interpret technical issues with co-workers, end-users and other staff; demonstrated ability to work with a diverse teams of technical and business stakeholders; demonstrated ability to work with vendors to resolve technical issues.

Preferred:

Bachelor's degree, preferably in a technical field, such as computer science or equivalent experience; a minimum of 2 years of demonstrated experience in the support of Linux operating systems in a networked server environment preferably within Higher Education; experience with latest version of Windows Server; Redhat Server; Apache; nginx; Tomcat; PHP; MySQL or derivative; firewalls/networking; virtual environments; Java; Javascript; TCP/IP; scripting languages such as Bash or Perl; administering services such as LDAP, DNS, DHCP, TACAS; demonstrated familiarity with system management and automation tools; experience in higher education; demonstrated working knowledge of Windows OS and MAC OS.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.