Sam Houston State University Human Resources

Staff Classification Description – Technical Architect, Senior

Skill Category: Professional
Position (Employee) Class: 3N012 (E1)
Grade: 26
Date: 11/2014

Department: Enterprise Services

Educational & Experience Requirement: Bachelor's degree with a major in computer science or related field from an accredited institution. Eight years relevant experience in directly related field. A combination of education, experience, certifications, and training that would produce the required knowledge and abilities could be considered.

Nature & Purpose of Position: Provides highly advanced technical work involving the design, development, maintenance, and troubleshooting of the university enterprise systems and their related components. Assesses gaps or errors in the technical infrastructure and recommends, designs, and implements technical solutions.

Supervision Given & Received: Works under broad direction and supervises full-time employees. Leads team projects involving two or more department staff. Performs managerial tasks.

Primary Responsibilities: Designs, installs and configures Oracle based technologies for the deployment of ERP applications and services and reviews coding and system changes. Develops training materials for technical staff ensuring that they have the skill set to meet the needs of their campus constituents. Mentors staff work effectiveness and mentors and guides staff development. Understands the application and system business processes, and has a deep understanding of underlying technologies. Plans, documents, defines, and evaluates the technical integration information for major applications, systems, and related components. Assists with defining and documenting technology platforms and dependencies for multiple environments (development, disaster recovery, production, etc.). Recommends and implements technical solutions with regard to Database and Application Server systems. Creates accurate and reasonable estimates and timelines. Works with data/system owners, data custodians, Division of Information Technology Services staff, and contracted resources in upgrading systems and reports to new versions. Identifies and documents gaps or errors in the technical infrastructure, and collaborates with team members to find feasible ways to resolve them. Researches and gains expertise with database and application server software, hardware and integration techniques. Provides daily support of enterprise systems. Participates in user review, verification, and testing sessions as directed. Develops test plans, performs tests according to these plans, and documents the results. Ensures that architectural components optimally address business requirements. Leads/participates in technical and infrastructure requirements engineering initiatives. Coordinates with other architects, project managers, and team leads to ensure the development matches the system model. Monitors emerging technologies and technical releases from product vendors to evaluate applicability toward current efforts. Understands, documents, and monitors application and system layering dependencies and component dependencies. Understands and monitors impacts to and dependencies between existing technical and network environments. Defines and directs proof-of-concept tasks for proposed architectural interactions. Monitors software product, supporting tools, and platform licensing taxonomies for compliance and readiness. Defines, plans, proposes, and selects enabling technologies to support packaged or custom applications. Plans and assigns work to others. Performs other related duties as assigned.

Other Specifications: Requires a demonstrated ability to establish congenial work relationships and to communicate effectively within department workgroup, throughout the university with managerial and executive staff, state organizations, and with outside vendors. Interprets, develops, and implements complex policies affecting the university level. Work requires critical judgment, the highest level of initiative, and complex reasoning to solve division and university issues. Work requires attention to detail as errors can be potentially serious.

This is a classification description with the complete list of job duties being maintained at the departmental level. Other job duties necessary for the effective operation of the University are expected to be performed. Any qualifications to be considered as equivalents in lieu of stated minimums require the prior approval of Human Resources.

Sam Houston State University is an at will employer and drug free/smoke free workplace. This position is security-sensitive and thereby subject to the provisions of the Texas Education Code §51.215, which authorizes the employer to obtain criminal history record information. The pay grade range is inclusive of social security benefit replacement pay.

Sam Houston State University is Committed to Equal Opportunity in Employment and Education.