WAYNE STATE UNIVERSITY

Systems Architect Advisor

Issued 2/6/15

Systems Architect Advisor	PClasss: PE510	Salary Sch: IP, Grade 16	EEO Code: 50	FLSA: exempt
Union: P&A Union, Local 1979, UAW				

Basic Purpose:

System Architects are at a leadership level responsible for providing a mastery of skills and comprehensive knowledge of a particular field of specialization to support the completion of difficult and complex project assignments identified as mission critical to the university organization. Incumbents have well-developed and proven technical leadership qualities in planning, conducting, coding, supervising and evaluating the progress of large, and multi-tiered, technical projects. Incumbents are the top Subject Matter Expert for leading edge application technologies with use across the university, a significant aspect of a legacy or enterprise system application or a series of complex interrelated operations. They provide consultative technical guidance in an effort to extend their subject matter expertise to other IT professionals and across the University. Incumbents assigned to this classification operate as self-directed with significant latitude for evaluating progress and results, recommending major changes in procedures and developing technology plans for the future.

Essential Functions:

Acts in a strategic role in the development and maintenance of architectures for a line of business or infrastructure that are in compliance with the established Enterprise Architecture including but not limited to, Enterprise Application Development, Information Security, Enterprise Infrastructure, Enterprise Decision Sciences and Big- Data Machine Learning

Responsible for working on highly architecturally impactful projects, recommending exceptions to the enterprise architecture for high level projects, reviewing and approving architectural designs, communicating enterprise architectural strategy and providing direction to management regarding systems to teams within the line of business and organizational units.

Directs the implementation of IT systems for broader organizational units and for enterprise deployment.

Serves as the highest-level technical consultant to internal clients and technical management to ensure conformity with enterprise architectures, having expertise across a broad portion of the organizational unit's architecture, or in-depth expertise within a more specific portion of the architecture

Acts as a technology leader within several disciplines, and within the enterprise

Recommends long-term design architectures from multiple alternatives, ultimately resulting in defined enterprise system architecture standards.
Leads groups in problem analysis and process improvement initiatives.

Minimum Qualifications:

Expert level knowledge of IT tools, technologies and programs to provide leadership and decision making; demonstrated ability to participate as a resource in the maintenance and development of current and future technologies. Demonstrated ability to architect, code and implement enterprise solutions that utilize a broad range of emerging technologies, including object oriented programming, relational databases and large scale server architecture.

Able to evaluate technical, business and change management factors within a decision process.

Can influence and motivate individuals and groups to achieve results. Demonstrated ability to lead others in technical functions typically acquired through several years of experience in a supervisory or project leadership role.   Fosters open communication within area(s) of responsibility.

Ability to work through and with others at all organizational levels to ensure work is completed and objectives are met.

Demonstrates the ability to build a collaborative team environment within assigned areas

Demonstrates the ability to plan and deliver oral and written communications that are impactful and persuasive. Strong verbal skills including the ability to make effective presentations and translate technical terms into business language.

Adept at communications and interactions with both technical and non-technical managers and staff.

Analyzes the impact of potential actions; demonstrates the ability to apply analytical and logical thinking to gather, analyze and summarize large volumes of data. Proposes and evaluates alternative solutions to achieve organizational goals.

Demonstrated expertise in the assigned application or technology typically acquired through formal undergraduate computer science program, mathematics, statistics and/or several years of direct experience in the application or technology

Demonstrated mastery of specific emergent and leading edge technologies that are vital to the university strategic plan.