QCR Holdings, Inc.
Job Description

TITLE: Enterprise Architect
DEPARTMENT: Information Technology
LOCATION: Quad Cities, Cedar Rapids, Des Moines or Springfield
REPORTS TO: VP Enterprise Architecture

JOB SUMMARY

The Enterprise Architect is responsible for defining, upholding, and promoting the vision of the QCR Holdings IT architecture and solutions across all QCRH and Charter Institution information systems. The position will be responsible for ensuring best practices of the overall and strategic design, development, testing and implementation of diverse business and technology information solutions. The enterprise architect will work closely with the other enterprise architects, engineers, business analysts, project managers and operational support teams. In particular, they will guide and support the architecture and delivery of new IT solutions making sure the new technology platforms are appropriately utilized. The architect will leverage their architecture, design and technical skills/experience to develop cost effective, timely solutions to meet functional and performance requirements while focusing on reuse.

The Enterprise Architect is responsible for not only ensuring QCR Holdings lines of business portfolio functions reliably, but the role also helps in the strategic planning for the future state of the information systems portfolio, innovation attributes and the business capabilities – both from near-term and strategic long-term perspective. This role requires a very strong collaboration with the Directors and Senior Managers as well as the entire Information Systems teams across QCR Holdings. The individual will be responsible for helping drive business applications, platform & infrastructure, voice/communications, and security industry standards and best practices including enabling aspects of cloud/virtualization and data center optimization; performing cost benefit/tradeoff analysis; keeping current with industry trends and emerging technologies; providing guidance and direction to the various development, customer, and business groups on infrastructure and security technology standards that drive quality and performance and support the overall QCR Holdings strategic plan; and ensure that applications, infrastructure and security needs are architected for total scalability and performance.

This position will work across all applications, infrastructure, information/data and security foundations (full stack architecture including server, storage, databases, network, voice & video, and enterprise applications) to comprehend and recommend improvements and enhancements to existing and all future implementations and set the technology direction for QCR Holdings on all current and future application, information/data and infrastructure projects and processes.

ESSENTIAL DUTIES

- Developing/Maintaining current and future state architecture artifacts such as Business Domain Roadmaps, Architecture Standards/Patterns/Frameworks, and Reference Architecture Implementation documents for Enterprise Applications including assisting in developing IT Strategies/Roadmaps, IT Standards and Reference Architecture/implementation for enterprise tools
- Understanding and transforming business requirements into scalable/manageable solution architectures and designing specifications for reliability, scalability, security and integration aspects

- Solving complex problems with many variables using various security, network, storage, and compute platforms across a diverse set of technologies and platforms including cloud, virtualization, open standards, Global APIs, AI/ML/NPL, Big/Rich Data and MDM, and Smart Analytics/Reporting
- Developing full-stack reference architecture designs for applications, infrastructure, network/security, and content/data/information across hybrid environments inclusive of cloud platforms and core provider systems such as Fiserv Core Processor, and Nautilus ECM to mention a few
- Participating in the development of IT Governance processes to ensure that objectives are achieved, risks are managed appropriately and the organization's resources are used responsibly for the diverse architecture stack landscape i.e. application, infrastructure, network/security and information aspects
- Documenting existing AS-IS systems architecture and technology portfolios to ensure relevancy and accuracy is continuously maintained and enhanced
- In partnership with the IT leadership team, identifying opportunities and risks for architecting the company's applications, data, security and/or infrastructure solutions, including identification of competitive services, opportunities for innovation, total cost of ownership, ROI benefits and assessment of marketplace obstacles and technical hurdles relevant to QCR Holdings growth and revenue
- Designing and maintaining Technical/Application Architectures including development, testing, runtime and deployment, and operational architectures
- Defining solution/architectures utilizing TOGAF/ZACHMAN and Gartner/Meta frameworks/specifications; Service/Web Oriented Architecture (SOA/WOA), Micro Services/Containerized patterns, Business Process/Workflow re-engineering/automation, and utilizing cost-effective cloud based implementation services
- Experience/Exposure to advanced data center consolidation, implementations such as Software Defined Data Centers/Networking i.e. SDDC/SDN/SD-WAN including colocation deployment models
- Partnering with QCR Holding Charter institution business units in response to their service requests including researching and gathering all necessary details to determine functional requirements to meet business unit objectives and appropriately presenting for concurrence and approval
- Owning integration scenarios across applications, data and processes, as well as code deployment and solution monitoring activities across QCR Holdings enterprise
- Engaging closely with other solution architects/developers to ensure consistency, compliance with IT standards, policies and architectural plans, quality of solutions and knowledge sharing
- Defining and delivering integrated solutions by applying proven delivery methodologies including Agile and Model-Driven techniques partnering with developers in the delivery of custom solutions or COTS configurations/customizations supporting the integration platforms across QCR Holdings
- Providing mentoring on advanced technology concepts and capabilities relevant to QCR Holdings to diverse IT staff and if necessary to business domains resources
- Providing leadership in creating, maintaining and marketing the architectural vision and direction of information technology under guidance from the CIO and CTO
- Performs other duties as assigned by VP, CTO and CIO

REQUIREMENTS AND QUALIFICATIONS:

- Bachelor's Degree in Computer Science, Engineering, Information Systems or other related field plus seven (7 - 10) years' implementation experience with demonstrated expertise architecting in several business and technical verticals with multiple technologies **OR** Associate's in Computer Science, Engineering, Information Systems or other related field plus eleven (11) years' implementation experience with demonstrated expertise architecting in several business and technical verticals with multiple technologies. Master's Degree in Computer Science, Engineering, Information Systems, or other related field preferred.

- Understanding of industry standard architecture frameworks including TOGAF, ZACHMAN, Gartner/Meta Frameworks and BIAN preferred
- Exposure to Cloud, Virtualization, AI/ML/NPL, RPA's, Big Data and analytics/Reporting is highly desirable within the confines of a highly regulated industry such as Banking/Finance and/or Insurance
- Experience in core banking service providers such as Fiserv, FIS and or Jack Henry is highly desirable
- Demonstrable experience presenting to wider audience across technology, business and management
- Some travel between QCRH branches and other locations (Cedar Rapids, Quad Cities IA/IL, Rockford IL and Brookfield WI) at times
- Experience in Master Data Management, Enterprise Information Integration, and Data Warehouses
- Knowledge of Applications technologies, principles and patterns
- Windows Server: In-depth knowledge for application hosting, performance tuning and application deployments. Knowledge of Linux Operating Systems, Cloud based storage, NAS and SAN
- Extensive knowledge and hands on technical experience with Cloud deployment models
- Knowledge of Microsoft Exchange or Office 365, Azure/AWS/Google Cloud, Active Directory, Solution Sizing for hardware/software platforms, Infrastructure Management Tools and monitoring tools, Cisco Networking, F5 Load Balancers, and Virtualization and container technologies
- Knowledge of Industry standard security requirements and designs including awareness of ISO 27001
- Must be experienced, organizationally savvy, and these skills must cross multiple IT disciplines including, integration, application, and data domains
- Strong communication skills to effectively communicate with and make strategic recommendations to senior level management as well as all levels of internal/external service partners
- Strong analytical and problem-solving skills to perform/drive in-depth analysis of systems, data flows processes, and architectural trade-offs
- Frequent contact with executive management, mid-management, staff, administrators, internal and external customers, consultants, vendors, and outside agencies
- Ability to translate broader business initiatives into clear and pragmatic team objectives and concrete individual goals, aligning appropriately with other groups for efficient, coordinated action
- Ability to draw conclusions and effectively communicates findings with both technical and non-technical team members, providing active leadership skills across project team and business communities
- Ability to partner with other functions across IT (PM, BA, EA, Security, PMO, Vendor Management, IT Finance and Operations) to ensure collaboration, consistency, quality and timeliness of solutions
- Proven strong negotiating and consensus building abilities
- Ability to adapt to technology and business model shifts over time
- Cisco Certified Internetwork Expert (CCIE) Certification and MCSE: Cloud Platform and Infrastructure or AWS Cloud Architect preferred
- VMware Certified Advanced Professional 6 -- Cloud Management and Automation Design and or CITRIX Certified will be a plus
- Previous experience in regulated industry such as Finance/Banking, Insurance or Healthcare desirable