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Infrastructure Architect

TECHNICAL PLANNING | IT INFRASTRUCTURES | DIRECTORY SERVICES | SECURITY | REFERENCE ARCHITECTURES | PROTOCOLS

More than 15 years of progressive, senior-level network and infrastructure design experience at the world leading developer of analytic software. Endeavors included R&D, technical design, and project management roles. Introduced, evolved, and supported a wide-variety of technologies; serving 2000+ employees spanning 30+ domestic and international offices. Managed multiple, complex technical and engineering projects to deliver simple to highly-intricate environments with proven ability to work and manage geographically dispersed, cross-functional teams.

Summary of Achievements and Experiences

- Designed, built, and supported multi-protocol global networks
- Designed, built, and supported Directory and Exchange Services migrating from legacy systems
- Designed, built, and supported Remote Access solutions using encryption protocols and two-factor authentication
- Designed corporate TCP/IP schema for internal and secure public facing networks
- Designed new corporate TCP/IP schema, oversaw and coordinated the IP re-fresh of over 2500+ devices spanning 30+ domestic and international offices
- Lead technical architect for mergers and acquisitions
- Technical architect and Project Manager to consolidate ASP environments
- Lead technical architect for space planning and tenant improvements
- Designed cabling infrastructure to be used as the corporate standard for offices, server, and telecommunication rooms. Oversaw the installation for over 250,000 sq. ft. single office and multi-building campus environments.
- Developed virtualization strategy to reduce development server costs
- Developed and coordinated the implementation of standards, guidelines and best practices for company's Service Oriented Architecture, including security and version management
- Designed, established, and enforced governance processes for company-wide development practices and selected, acquired and deployed governance tooling.
- Designed reference/deployment architectures for a wide variety of Client environments from small to extremely large.

Recent Work Experience

June 2007 to March 2011

Sr. Architect – Global Architecture Team

Fair Isaac (FICO), San Rafael, CA

Member of R&D Team responsible for developing corporate's standards, guidelines and best practices and corporate governance for the re-engineering of existing applications into Software as a Service (SaaS) applications. Collaborated with IT management to review existing policies and find ways to reduce operational costs using virtualization technologies.

Selected Milestones & Accomplishments

- Designed virtualization strategy to reduce the number of servers required to support multiple development environments.
- Developed and coordinated the implementation of standards, guidelines and best practices for company's Service Oriented Architecture, including security and version management control
- Designed, established, and enforced governance processes for company-wide development practices and selected, acquired and deployed governance tooling
- Designed reference architectures for a wide variety of client environments from small to extremely large
- Managed multiple product development proofs-of-concepts spanning multiple internal and external lab environments
- Installed and managed internal communications portal (wiki) to share information between development groups

2004 – 2007

PMO Sr. Project Manager/Special Projects

IT Network and Communications Manager

IT Sr. Network Architect

Fair Isaac (FICO), San Rafael, CA

Member of the PMO group responsible for managing internal and Client projects ranging from small to highly-complex technical environment, provide status reports to stake holders and responsible to deliver environments on-time, on budget. Acted as technical mentor to members of the PMO group. Member of the IT technical team responsible for the identification, design, and delivery of corporate infrastructures: including, voice, video and data environments.

Selected Milestones & Accomplishments

- Managed projects to install large infrastructures for state and government agencies related to the financial and insurance industries
- Technical architect and Project Manager of multiple projects to integrate acquired companies ASP environments to the parent company's data center.
- Technical architect and Project Manager of multiple projects to integrate acquired companies corporate infrastructures into the parent company's infrastructure.
- Managed multiple facilities projects to open and close offices in the USA, Europe, Asia, and South America

1999 - 2004

Project Manager, Infrastructure Architect

Fair Isaac (FICO), San Rafael, CA

Member of IT project team responsible for managing internal and Client projects to install small to large technical environments, provide status reports to stake holders and responsible to deliver environments on-time, on budget. Member of the IT technical team responsible for the identification, design, and delivery of corporate infrastructures: including, voice, video and data environments.

Selected Milestones & Accomplishments

- Designed and introduced MS Active Directory, Exchange, DHCP, and DNS to corporate environment migrating from legacy systems

- Designed and oversaw projects to install new cabling infrastructure for over 250,000 SQ. FT of single office and multi-building campus environments. Worked directly with local resources and building architects and prepared project artifacts using AutoCAD. Defined standards to be applied across the entire organization
- Designed and managed project to refresh company's TCP/IP addressing scheme, including 30+ geographically dispersed offices, multiple external class B networks and 2000+ network, server and workstation devices.
- Designed and implemented company's remote access facility with RSA Two-Factor Authentication and SSL. Architected a distributed environment to server over 2000+ international employees.

1989 - 1999

Network Services Manager, Network Engineer, Project Manager

Fair Isaac (FICO), San Rafael, CA

Provided leadership to manage, direct and support corporate's voice, video and data environments. Helped designed, build, and install new technologies and acted as project manager to oversee the installation and upgrade of new and existing technologies.

Selected Milestones & Accomplishments

- Managed technical group responsible for the budgeting, design, planning, management, installation, maintenance and support of corporate voice, video and data environments.
- Designed and managed project to install the company's 1st multi-protocol, international wide-area network. Developed technical specifications, selected carriers, router and switch vendors. Negotiated contracts, configured, tested, installed, monitored and supported all network links and components
- Published remote office specifications guide to assist architects and contractors during the construction of corporate offices.

Education

University of California Berkeley
 Computer Science, Electrical Engineering
 Minors in Architecture, Astronomy and Psychology

National Radio Institute (NRI) – Washington, DC
 Electronic Circuit Design, Computer Architecture

PMP Qualified

Training

MS-Project, Outlook, Word, Excel, Visio, PowerPoint, Expression
 Windows 7, Vista, XP, UNIX, Macintosh, AIX
 Windows 2003-2008 Server, Exchange Server, MS Project Server
 TCP/IP, DNS, DHCP, LDAP, SNA
 Cisco CCNA, VoIP, VPN, SSL
 Photoshop, Illustrator, InDesign, AutoCAD, TurboCAD
 VMWare, IBM WebSphere Middleware Products (WAS, WSRP, WESB)
 RUP, IBM SOA Governance, WebLayers, Change Control Management, Process Management