

## John P. Nugent

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### **CTO/SENIOR TECHNICAL PROJECT MANAGER /INFORMATION TECHNOLOGY ARCHITECT**

#### **PROFILE:**

- IT management professional with highly-developed technical and organizational skills. A strong record of accomplishment as Director, Lead Architect; Director, Web Architecture; Application Architect, Director, Information Technology; Senior Analyst, Manager; Programmer / Analyst / LAN Manager, and Senior Technical Associate.
- Proficient in all phases of technical project management, from planning and budgeting to managing human and material resources. Skilled in providing leading edge technology solutions to organizations in both the public and private sectors. Proven big-4 consulting experience in technically diverse initiatives in Public Education, Government Agencies, Wholesale, Retail, Finance, Public Utilities, Commercial Airlines, Telecommunications and Internet Startups.
- Project lead and technical resource on many successful client engagements. Expert in the oversight of application and infrastructure architecture design and system implementation. Proficient in designing and executing IT infrastructure and application architecture plans spanning network, hardware and software conversions and installations.
- Knowledgeable in a wide range of technologies including: Operating Systems: UNIX (System V, HP-UX, AIX, Sun Solaris, RedHat Linux), OS/2, Windows 2K3 server (Enterprise/Data Center), Novell Netware 4.2; Languages: C, C++, Java, Unix Shell Script, SQL, HTML, Perl, Visual Basic; Software: MS-Office, Macromedia Dreamweaver, Adobe Illustrator, Rational Rose, NetObjects Fusion; Web Servers: Apache, IIS; Application Server: ATG Dynamo, Microsoft Content Management Server; Database Servers: SQL Server, Sybase, and Oracle.

#### **EXPERIENCE:**

SIXTEENBONES – Chicago, IL

2001-Present

##### **INDEPENDENT CONSULTANT**

Provide project management, infrastructure and application architecture design and system implementation on a variety of client engagements.

CSC/Motorola Account, Schaumburg, IL

Engaged as interim Account CTO:

- \* Provide cloud-based strategic direction for both CSC and Motorola
- \* Participate in pricing and technical separation of Mobility business from Motorola Solutions
- \* Provide tactical technology direction for tapeless backup initiative
- \* Serve as escalation point for tactical issues

HUB International, Chicago, IL

6 months

Engaged as an Enterprise Architect, reporting to the CIO, at HUB International - an \$800MM insurance brokerage - to focus on five projects:

- \* Enterprise Architecture definition and discovery process – created a template for an Enterprise Architecture based on the TOGAF (The Open Group Architecture Framework). Worked with Regional CIOs on implementation of the process. Initial goals included closer alignment to the business, and documentation of existing business processes.
- \* Technology Blueprint – worked with CIO to develop a strategic technology blueprint that defined the strategic direction of the IT organization, leveraging the Enterprise Architecture implementation to closely align objectives with the business.
- \* Customer Relationship Management RFI – planned and provided oversight of the RFI process, from requirements definition to vendor demos to ROI calculation and vendor selection.
- \* SharePoint MOSS 2007 – planned, designed and provided implementation oversight of the implementation of intranet and extranet site design and implementation.
- \* Provided technical oversight for data warehouse design and implementation, along with planning, design and implementation of BI environments using Microsoft's BI suite.

CSC/Aon Account, Chicago, IL

16 months

Engaged as a Solution Architect, reporting to the CTO on the CSC Aon account, to serve as lead technical resource on a number of projects, focusing specifically on solution architecture for new business projects. Projects involved infrastructures for large-scale ERP applications, disaster recovery, virtualization and consolidation. Provided architecture designs, timelines and budgeting for new business opportunities. Performed technical assessments of infrastructure, resulting in recommendations for Aon business units.

Advanced Telecommunications Project, Mitel Networks, Chicago, IL

9 Months

Engaged as the Technical Project Manager / Project IT Architect to provide technical management on a \$27MM Voice Over IP (VoIP) project, deploying to the 3<sup>rd</sup> largest school district in the country with more than 650 sites and 48,000 users. Contributed to the project's work breakdown structure by identifying resources, assigning tasks, and defining milestones. Facilitated solution design working sessions with LAN, WAN, Telecom, and Server Team resources. Compiled and presented team recommendations; directed technical review committees, and documented final solutions. Coordinated 10 technical resources from client and vendors according to project plan. Tracked project technical issues and risks to resolution.

Chicago Public Schools – Chicago, IL

16 Months

Engaged as the Lead Architect for the \$49 million IMPACT project to provide application and infrastructure architecture team management in support of the deployment of three enterprise applications to a user base of 48,000 employees in the District. Assembled and directed a team of 8 in the installation, configuration, and maintenance of the IMPACT infrastructure. Assisted in creating methodologies and tools for the development, testing, quality assurance, production, and maintenance of complex environments supporting the following applications: student information management (*Chancery*), specialized services management (*Goalview*), and curriculum instructional management (*SchoolNet*). Provided technical direction to a committee composed of architects (infrastructure and application) from each of the three application vendors. Tracked and drove resolution of technical issues submitted by various project teams composed of more than 180 staff members representing Chicago Public Schools and consultants.

- Collaborated with the CIO to analyze the architecture of two applications from functionality to code review. Ensured application scalability, security, and compliance with district requirements. Developed and presented deliverables to a committee composed of the implementer, Microsoft, the CIO, senior project staff, and the application vendor.
- Collaborated with each vendor to develop an authorization and authentication strategy and subsequent design of a .NET/C# solution for the integration of Active Directory.
- Provided technical oversight for the implementation of a high-performance, highly available, highly secure Web infrastructure including 72 blade servers and two HP Integrity Superdomes;drove management operations plan to support it.
- Implemented Business Objects XI to report from a District-wide Operational Data Store.
- Designed and built a .NET/SQL Server application to collect deployment readiness data in support of the *Chancery*, *Goalview* and *SchoolNet* applications. Application supported a user base of 1,200.

Chicago Public Schools – Chicago, IL

16 Months

Engaged as technical project manager by CPS to audit existing district-wide web infrastructure to identify potential vulnerabilities. Retained by CPS to execute audit recommendations related to security, reliability, and performance.

- Redesigned the District's Web Win2K Web infrastructure that hosted 32 Web sites and managed greater than 190,000 page views a day.
- Designed and implemented Linux environment for the front page hosting of more than 600 school web sites. Drove the initiatives to enroll schools into web site program; directed the development of processes to support it.
- Created and built an ASP/SQL Server web-based inventory application that tracked server and web site data, including maintenance tasks.
- Designed LDAP authentication web service utilized by all of the district's web sites that required authentication.
- Designed and built ASP/SQL Server web-based content management request application that allowed for the creation of publish request for content in more than 32 web sites.

Sears Carpet - Columbus, OH

6 Weeks

Engaged by Sears to perform a security audit of the web infrastructure. Performed security scans to identify security issues. Increased web infrastructure security by redesigning the web infrastructure running *searscarpetandductcleaning.com* based on a Win2K web server, and SQL Server 2000 database server. Installed and configured Cisco PIX 515E firewall, performing web server hardening on Win2K web server, and securing SQL Server database server.

Wheels, Inc. Des Plaines, IL

4 Weeks

Engaged by Wheels, Inc. to conduct a risk assessment of the IT infrastructure for this 600-employee company including WAN, LAN and a 128-server environment. Identified security risks in web infrastructure and recommended corrective action. Performed security scans and identified security issues in the infrastructure.

- Developed a server consolidation plan for Microsoft Win2K file servers, and Microsoft SQL Server hardware.
- Recommended improvements in antivirus, backup / recovery, and monitoring solutions.

Purchasepooling.com - Austin, TX

2000

**DIRECTOR, WEB ARCHITECTURE**

Provided direction for a network team tasked with designing a highly scalable and available production web infrastructure of NT and UNIX servers using Cisco, Dell, and Sun hardware. Supported the network manager throughout the design and implementation of an internal infrastructure/architecture. Lead a team of five i2 product architects in completing design documentation for four critical features of the site. Directed a team of 15 Price-Waterhouse-Coopers consultants to integrate them onto the project. Served as first-point-of-contact for technical and functionality issues for a team of 20 developers.

- Planned and executed implementation of the i2 TradeMatrix suite of products. Directed application definition and scoping effort.
- Created intranet site (running on NT and IIS) that served as an internal information resource on employees, benefits and all application and infrastructure design collateral.

Scient - Chicago, Illinois

2000

**DIRECTOR / APPLICATION ARCHITECT**

Provided application architecture development services and development team management on large web-development projects.

Project Dakota - San Francisco, CA

Collaborated with User Architecture and Information Architecture team members to create an MS-Access based application used to inventory the large web site of a national financial services bank. Inventory application allowed for the classification of each page on the site including design characteristics. Implemented Verity as the search engine of the site.

Paladin - Chicago, IL

1996-2000

**DIRECTOR OF INFORMATION TECHNOLOGY**

Managed budget, planning, staffing, software configuration and installation for start-up organization. Played an essential role in the organization's expansion from two offices and 12 people to nine offices and 125 people by managing the conversions and installations necessary to scale the environment.

- Provided standardized specifications for new offices including: hardware/software, installation and configuration of the file server, workstations, level 5 Ethernet wiring, printers, fax machines, telephone systems / telephony, and WAN connectivity.
- Specified, hired, and led support organization including Help Desk technician, Webmaster, SQL Server DBA, Network Administration support and various vendor teams.
- Evaluated and selected vendor for skills search software. Collaborated with vendor's development staff to develop features specifically for Paladin.
- Evaluated and selected Epicor Platinum replacement accounting system to scale with the business. Designed and closely supervised data conversion efforts. Designed central reporting database to generate enterprise-wide reports.
- Modernized and scaled the internet email structure, converting from dial-up internet mail to a single SMTP server on Novell Netware using GroupWise. Upgraded productivity applications on all servers and desktops, and oversaw rollout and training.
- Installed / configured the following software: Novell Netware 4.2, NT Server 4.0, CA Faxserve, CA InocuLAN, CA ArcServe, NT/Netware Backup Strategy, IIS, Novell GroupWise 5.2/Internet Agent SMTP Gateway, SQL Server 6.5, Win 95/98, ODBC/SQL Server.
- Installed and created the wide area network to connect all remote office sites by configuring Fractional T1 Frame-Relay WAN and, Cisco 1601 Routers; configuring TCP/IP networking.

Andersen Consulting (Accenture) - Chicago, IL

1993-1996

**MANAGER/ANALYST**

Performed technical leadership, project management, application architecture design and implementation in a variety of client engagements.

ComEd - Chicago, IL

5 Months

Led a team of four developers to pilot a Win 3.1/HP UX client/server FOUNDATION project .

Commonwealth Of Massachusetts, Beacon Project - Boston, MA

6 Months

Introduced the architecture used on the Child and Adult Protective Services to the Beacon Project. Participated in the RFP process including interviews with panels composed of Commonwealth officials. Functioned as lead architect to direct client and Andersen Consulting team members in the adoption of the architecture.

State of Texas, Child and Adult Protective Services Project - Austin, TX

15 Months

Engaged as the Technical Architecture Team Lead to manage four resources in designing and building a layer of architecture on top of the FOUNDATION product.

- Led the design and construction of the application architecture including security, reporting, messaging, and data access.
- Designed and led the development effort of the reporting architecture for scheduled, on-demand reporting as well as forms generation.
- Directed a team of five developers to create five models that included logical design, detailed design, programming and testing.
- Wrote many tools in both the C language and UNIX shell scripts to facilitate the development of application windows and UNIX server processes.

Alberta Government Telephone - Calgary, Alberta, Canada

5 Months

Engaged as senior technical resource to enhance the client/server FOUNDATION architecture for the AGT engagement. Installed FOUNDATION V2.0 OS/2 clients and HP-UX servers; configured the OS/2 address servers and gateways. Designed and implemented the UNIX architecture and interface to Sybase database. Designed and built a c-language tool for the code generation of modules for a data access layer.

NYNEX - New York, NY

4 months

Led a team of five developers to pilot aWin 3.1/mainframe client/server FOUNDATION project .

Roadway, Project RedStorm - Schaumburg, IL

7 months

Developed Win 3.1/client /server architecture layer that encapsulated the standard FOUNDATION windows' APIs. Supervised the project's Trail Blazing team; directed the creation of a pilot application utilizing all of RedStorm's architecture functions.

Marketing Information Systems Corp - Evanston, IL

1991-1993

**PROGRAMMER ANALYST / LAN MANAGER**

Designed and developed contact management and sales automation applications in C++ . Installed, configured, and administered a Novell Netware 3.11 LAN in a Windows 3.1/IBM AS/400 Environment.

AT&T Bell Laboratories (Lucent) - Naperville, IL

1988-1991

**SENIOR TECHNICAL ASSOCIATE**

Developed UNIX based telecommunication applications in the C language for the 5ESS project.

**CHARITABLE AFFILIATION:**

Illinois Chapter of the National Multiple Sclerosis Society

2001-Present

**CHAIR, MS BIKE STEERING COMMITTEE**

Function as steering committee chair for event involving 2000 participants who raise \$2MM for MS programs and advocacy. Steering committee oversees 18 teams and over 500 volunteers on every aspect of the event including logistics, marketing/promotions, safety, and volunteer recruitment.

**EDUCATION:**

Bachelor of Science Degree

**PROFESSIONAL AFFILIATIONS:**

Project Management Institute, Member