Dudley N. Wong

Technology Director/Project Leader/Senior IT Consultant

Summary

- Seasoned Professional with experience in leading project teams.
- Over 35 years of industry experience with expertise in solutions based systems design and integration.
- Provides leadership to cross-functional teams on various engagements.
- Develop strategies to leverage technology and partnerships to grow initiatives
- Perform well at all levels of a project from hands on development to interfacing with corporate exec's and government leaders.
- Experience in development of proposals and requirements analysis
- Development of marketing and business strategies
- US Citizen

Education

- Baltimore Polytechnic Institute, Baltimore, Maryland. Advanced College Preparatory Diploma (A-Course). Engineering Option.
- Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Bachelor of Engineering Science in Mechanical Engineering.
- Loyola University, Baltimore, Maryland. Masters of Engineering Science in Electrical Engineering. (15 credits complete)

Development Languages/Technologies

Oracle PL/SQL, SQL Forms 4.5, SQL Reports 2.5 Pro*C, Perl, JavaScript, VBScript, HTML, CSS, XML, XSL, Java C, Basic, Pascal, Fortran, SQL, UNIX Shell, Active X, VBA, Ruby on Rails, iRedMail, Zimbra, Redmine, GitLab

Internet / Web

LAMP, HTML, DHTML, XML, XSL, XSLT, CCS, DNS Perl, Web Database, MySQL Security, PHP, .NET ASP, MS IIS, Apache, Drupal (ubercart), WordPress, FrontPage, Adobe Photoshop/Dreamweaver, SEO, Google Affiliate Marketing Adwords/Adsense, Web Hosting, Amazon AWS, Cloud SaaS, IaaS, Passenger, SSL/PKI

Databases

Oracle 7/8/9/10, Oracle Financials/Manufacturing 10.5/10.7/11i (Inventory, Order Entry, Bill of Materials, Work In Process. Open Interface), Designer 2000, RMAN Informix, Ingres, dBase, Tri-Fox, Sybase, Paradox MS SQL Server, MySQL, Visual Basic, PowerBuilder, Actuate BIRT, Jaspersoft

Operating Systems

Windows NT 3.5x/4.x Server 2000/2003/2008, XP Vista, Windows 7, UNIX, ULTRIX, Solaris, Linux Novell 3.x/4.x, VMS, PC-DOS, PICK, TCP/IP, NFS SMB, MS-Windows, X-Windows, OS/2, 3COM, LAN Manager, AppleTalk, VMware, Red Hat/Centos, Ubuntu Minx

Telecommunications

IPX, VPN, TCP/IP, PPP, X.25, T1, OSI, X.400, X.500 GOSIP, Ethernet, Token Ring, FDDI, Cisco Routers Wellfleet, Synoptions, Sun Net Manager SNMP DNS, SMTP Mail, SNA/SDLC, VOIP, 3CX

Business Experience

Enigma64, LLC

Jun 2010 – Present

Dudley N. Wong

Independent Consultant

Independent Consultant working on various projects using (Excel, Access, MS Projects, VBA, XML, LAMP, MySQL, Drupal, Wordpress, Open Source tools, Actuate BIRT, JasperSoft).

Bright Trading, LLC, Las Vegas, NV (Herndon, VA)

Jul 2001 – Dec 2011

Limited Partner

Licensed Securities Trader (Series 7, Series 63). As a member of a small hedge fund, responsibilities include infrastructure support, identifying strategies and developing software for use by traders to arbitrage the financial markets. (Microsoft VBA, Excel, Access, HTML, XML, CSS, Drupal, Linux, Apache)

Extreme Research International, Inc., McLean, VA

Jul 1996 – Aug 2005

Principal

Responsibilities include requirements analysis, design, testing, integration, of both LAN Hardware and Software, preparation of formal technical presentations, writing systems and communications utilities, technical documentation and developing technical standards for operation, testing and disaster recovery procedures. Additional duties include the managing of the companies accounting system using QuickBooks handling job cost accounting/accounts receivables / payables.

Open Systems Consortium, Inc

Nov 1990 – Jun 1996

Independent Consultant

Worked on various projects as a subcontractor to Open Systems Consortium, Inc.

ITP Systems, Inc., Owings Mills, MD

Project Leader

1989-1990: **Senior Project Coordinator** with overall direction for the design and implementation of IT projects. Responsibilities include supervision of senior staff, development and implementation of software coding standards, development of schedules, development of requirement analysis and proposals and sales support as well as direct customer interface.

1988-1989: **Technical Lead Engineer** on project several development teams. Responsibilities include systems architecture and design, development of design documents, UNIX systems and network administration as well as:

- Principal Informix technical support, addressed issues and bugs with DBMS vendor
- Implementation of local beta testing site for VMS/Informix over RDB product.

Dudley N. Wong

General Motors Corporation, Baltimore, MD

Process Engineer

1984-1988: **Process Engineer**. Involved in long term vehicle manufacturing plant modernization program. Responsible for the design and supervised implementation of several assembly automation projects.

1984-1986: **Industrial Engineer**. Analyzed and evaluated manufacturing and assembly processes for automotive fabrication and assembly.

1981-1984: **Associate Engineer**. Worked in the Plant Engineering Department on facilities projects involving piping, electrical, HVAC and structural systems.

Projects and Major Accomplishments

Department of Health and Human Services,
Assistant Secretary for Preparedness and Response (ASPR),
Public Health Emergency Medical Countermeasures Enterprise (PHEMCE),
Biomedical Advanced Research and Development Authority (BARDA)

Technology Project Lead/Senior Consultant. As Technology Project Lead supporting the PHEMCE; chief architect responsible for the development and implementation of the infrastructure, application and tools to support the collaborative efforts of the US and its four allied countries. Enterprise and Cloud Architecture, BI, Vendor Negotiations, ERP, Team Building, Network & IT Application Operations. IT Budgets, Failover Solutions, Dashboard Systems. Development and Deployment Strategies.

Independent Consultant

Technical Consultant. Worked on various Internet based projects using CMS products. Knowledge of virtual appliances (VMware and Virtual Box) as well as virtual hosting. Migration of a legacy website (20K records) into Drupal / MySQL. Familiar with various hosting products including Amazon AWS EC2 (including bundling and importing virtual appliances from a local environment up into the cloud). Management of E2 instances, migration of exiting web sites on to the cloud). Knowledge of Search Engine Optimization (SEO) and Internet Advertisement (Google AdSense/Ad words) and others. Comfortable working in a LAMP environment and with configuration of Unix platforms.

Bright Trading, LLC

Technical Lead Consultant. Provide Network and General IT Infrastructure support for securities trading operations in their Maryland / Virginia region. Designed and developed applications to analyze market fundamentals and support automated program trading of various instruments. Currently holds a Series 7, 63 securities license.

- Designed and developed automated trading platforms for use by traders to execute and manage trades for the financial markets (Microsoft VBA, Excel, Access, ActiveX, DDE, Tradestation Easylanguage)
- Designed and developed applications to scrape news and information from various web based resources and provide a interactive decision support platform for traders. (Microsoft VBA, Linux, Apache, IIS, Oracle, Screen Scrapers, Yahoo Pipes, HTML, JavaScript, XML, XSL, CSS, ASP, RSS)

Dudley N. Wong

- Designed and developed various analytical tools used by traders to arbitrage the markets. (Microsoft Excel, Access, VBA HTML, IIS, Linux, HTML, JavaScript)

United States Mint

As a subcontractor to SRA, worked on the development of an Enterprise Architecture framework to support the US Mint's IT organization. Development of web based applications and tools such as Metis with Oracle. (Microsoft Excel VBA, ASP, .Net)

Children's National Medical Center

Developed and implemented their corporate Data Center migration from Washington DC hospital to a offsite location in Silver Spring, MD

Micro Systems, Inc.

Oracle Consultant supporting the Financials 10.7 GUI implementation. Development of Automated Software Licensing System supporting proprietary software licensing technology integration with Oracle Web Store. Development and implementation of various, SQL*Forms 4.5/5.0 and SQL*Reports 2.5 applications supporting Oracle Inventory, Order Entry and Sales and Marketing. (Oracle, HTML, CSS, XML)

MA BioServices, Inc.

Oracle Consultant supporting the Financials 10.7 GUI implementation. Developed custom triggers, package procedures, SQLForms 4.5 and SQLReports 2.5 applications for various modules. Experience with Inventory, Order Entry, Receivables and Customer Service Modules.

Department of Labor

Technical Manager: Provided ongoing support efforts the DOL/ETA JETT*CON technical conference. Managed and implemented a department wide pilot program ETA*NET. Responsibilities include design and implementation of a network using LAN/WAN based technologies, integration of vendor technologies in pilot demo systems as well as design' developed and implemented an ecommerce website to support the registration and management of conference exhibitors/attendees.

Watkins-Johnson Company

Oracle Consultant responsible for the development of various custom applications supporting the Oracle Financials & Manufacturing 10.5 implementation effort. Developed applications to migrate legacy manufacturing Bills of Materials to Oracle. Specific Knowledge of Inventory, Bill of Materials, Work In Process and Order Entry Modules. Planned and deployed the Division Corporate Intranet including Oracle's WebServer product allowing HTML access to the Financials/Manufacturing database.

Federal Aviation Administration

Program Manager responsible for the procurement and performance of a contract to design and manufacture of a Base Data Recorder used on Weather Radar System's Harris mini-computer. This effort involved the design, development and testing of hardware / software for integration of COTS devices to a UNIX based system.

Department of Labor

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Technical Lead Engineer. Managed engineers in the development and integration of a wide area communications pilot involving integration of various technologies into an enterprise backbone architecture. Planning and integration of various services as internet addressing plan, Retix / OsiWare X.400 Email system / gateways, Sun Solaris / SCO Unix based servers offering informational resources including various communications technologies (X.25, TCP/IP, RIP, OSPF, SNMP, SNA/SDLC) as well as BBS and anonymous ftp, WWW and gopher servers (WordPerfect Office, Lotus cc:Mail, 3COM, LAN Manager, NT Advanced Server, Novell).

United States Department of Agriculture

Technical Lead Engineer. Managed engineers in the development and integration of an AI based Centralized Technical Help Desk based on Novell 3.11 network. Connectivity to TCP/IP, NFS and X.25 network as well as integration to a NEC NEAX2400 PBX system. Responsibilities include selection of hardware and software integration components as well as development of overall design to meet requirements. (MS-Windows, Novell, AT&T Unix 4.0, TCP/IP, NFS, X.25, Btrieve, Support Magic, Mahogany, NEC PBX, Voice Mail, T1, FTS2000)

Department of Treasury

Team Leader. Managed team of engineers in the development of a connectivity solution linking databases on a Unisys 11/84 with an IBM 4380 FEP utilizing UTS40 protocol and a Sequent via TCP/IP. Responsibilities include selection of hardware and software integration components as well as development of overall design to meet requirements. (MS Windows, Unix, Oracle, Unisys, Sequent, TCP/IP, FDDI, OS/2, LAN Manager)

Reynolds Metals Corporation

Senior Project Coordinator with overall direction for the design and implementation of factory shop floor systems to manage the processing of plant operations data involving communications to process control devices as well as other plant computer systems operating on diverse hardware/software platforms using the TCP/IP protocol (Unix, Ultrix, VMS, Informix, C).

ICI Pharmaceutical

Designed, implemented, and documented an order management system for an advanced warehouse automated storage and retrieval system using multi-layered transaction processing methodology. (VMS, Ingres, C).

Proctor & Gamble

Developed and implemented application for a warehouse materials handling and inventory control system which interfaces to various other plant floor systems (HP/UX, Informix, C).

Armstrong World Industries

Developed and implemented a Unix based system to determine the optimal way to cut rolls of flooring tile based on known defects from shop floor voice activated inspection stations. This is an AI implementation based on evaluating hundreds of rules learned by plant floor inspectors (MicroPort UNIX, Informix, C).