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WEB APPLICATION DEVELOPER

Security Clearances: US Department of Defense (DOD) Secret, US Department of Homeland Security (DHS) Secret.

Programming Languages

AJAX, Java, PHP, HTML, DHTML, JavaScript, PERL, KornShell, Basic, Xbase, XML.

Development Environment

Windows, MacOS, Tomcat Java Web Server, MySQL, MS SQL-7, Weblogic, Oracle, OpenVista, Photoshop, TextPad, GIF Animators.

Deployment Environment

SunOS, MacOS, Tomcat Java Web Server, Apache, Netegrity Siteminger, HP-BlueStone Java Application Server, Weblogic Java Application Server, Netscape Iplanet, MS SQL-7, Oracle, OpenVista, Open Connect, Web Connect.

Operating Systems

Unix, Windows NT/2000, Windows 98/95, OS/2, DOS.

Database Administration

Xbase (FoxBASE, Dbase), MySQL.

EXPERIENCE

Human Capital Management.

Client: DePersico Creative Group

Havertown, PA

September 2008 to February 2009

Architect / Developer / Business Analyst

Architect and Developer for complete overhaul of an employee-facing application in PHP and MySQL (LAMP). The application is a time-accounting and billing application with graphics upload and archive functionality. The project offered me the opportunity to do substantial system administration on MAC-OS (Leopard). Unfortunately, an economic downturn caused this project to be cancelled prior to completion. The completed portions were written in Object-Oriented PHP, with AJAX, and PHP system calls to object-oriented encapsulations of ImageMagick.

Peter E. Costello & Sons Inc.

Philadelphia, PA

September 2007 to Present (Concurrent)

Architect / Developer / Business Analyst

Architect and developer for a customer-facing application in PHP and MySQL (LAMP). The application performs real-time construction of a PDF catalog of properties for sale, as well as geocoding the locations and presenting a mapping application interface. The application makes extensive use of Javascript as well as PHP data modeling. As part of this product development, I also developed a PHP framework which has also been used by another organization.

Investment Management
December 2006 to September 2007
Architect / Developer

Managed personal investments. During this time, I developed a series of windows scripting host applications for personal use, and updated some PHP applications. Concurrently completed graduate-level education in Military Strategy.

AT&T
Dallas, Texas
September 2006 to December 2006
Developer

In the tools group of networking operations, develop and support various internal tool applications in Java, PHP, and PERL. Manage Remedy System, SMARTS InCharge. Contract position.

Estate Resolution
December 2005 to August 2006

Cared for a terminally ill parent, resolved estate affairs, and managed investments.

U.S. Army
Afghanistan
June 2004 to December 2005
Embedded Trainer / Military Advisor

Activated with the National Guard to train Afghan military. Embedded with Afghan Army units, and conducted missions with them. Concurrently, as an adjunct duty, rewrote the payroll program for the Afghan National Army.

Unisys
Springfield, VA
May 2004 to June 2004
Web Developer, Legacy Programmer

This contract for Department of Homeland Security required a secret clearance. Prior to completion of the clearance, I was called to Active Duty for the National Guard. I was hired to work on legacy connections to new web front-ends.

PFPC
Philadelphia, Pennsylvania
April 1998 to May 2004
Senior Web Developer / Unix System Administrator / Netscape Administrator

I was a senior developer in a group of 8 working directly under the Assistant VP. We developed web applications in Java on Tomcat and Weblogic. We had two back-end environments, the first was an IBM CICS Transaction Gateway and MS SQL-7.0. The second was Java APIs to VAX VMS and Oracle.

My development responsibilities:

I programmed the Java Web Server in servlet spec 2.2/2.3 with an MVC-Compliant design pattern. I interfaced with mainframe programmers, business analysts, and account executives.

My training responsibilities:

I trained mainframe programmers to program J2EE Servlet Spec 2.3 (HTML, JavaScript, DOM4, XML, Servlets, JSPs, Tomcat, JDBC).

My system administration responsibilities:

As the Unix System Administrator, I installed Enterprise Software, manage hot-swap of servers, and write CGI's in PERL and KornShell.

Some of my products:

Product 1 was a J2EE application for internal fund managers which allowed them to enter mutual fund trades real-time into the processing network. It was a J2EE application built upon a Struts-like framework. It used Java APIs into a mainframe computer, Weblogic App Server, Netscape Webserver, and Oracle

database.

Product 2 was a J2EE application for clients (i.e.: BearStearns, Vanguard), to allow users to navigate from the client website to the CheckFree website without separate log-in. It performed triple-DES encoding on the user information forwards him to CheckFree without the requirement to log-in again. Included a series of web-based tools to synchronize encryption key updates. All stored information (3DES keys, userID, userPw etc) was encrypted with a rotating-modulus encryption bean to protect it from network snooping and database views. I was the architect and programmer of this product.

Product 3 was a PHP-MySQL matchmaking/dating website. I was the architect and developer for this project.

Product 4 was an HTML-Application designed to capture results of a search query to a web page, and save the results to an excel spreadsheet, using Windows Scripting Host. I was the architect and programmer of this product.

Product 5 was a website Shopping Cart application written completely as a client-side JavaScript Object-Oriented application. I was the architect and programmer of this product.

Product 6 was a J2EE MVC-Compliant Password Reset application that allowed users to reset their passwords without help-desk intervention. It used the familiar "secret phrase" technique, and emailed a new password to the user's email address. I was the architect and programmer of this product.

Product 7 was an MVC-Compliant auto-vetting PKI Certificate enablement product which used mySQL and Tomcat. It stored requests for client-certificates in a mySQL database, and upon approval, sent an email to the certificate recipient directing him to a Novell E-Security product where he received his client certificate. It managed user information through an administrative interface, and used LDAP to determine user privileges. I was the architect and programmer of this product.

Product 8 was the marketing website belonging to our corporation. This is a largely static website, which I designed to meet the needs of our marketing department. It had server-side includes for statistics, and CGI processing of form input. I managed this product from 1998-2001.

Products 9 and 10 were the Customer Service Console web applications for BlackRock Mutual Funds, and the Investment Accounting System Error Correction Interface. These were part of a series of products moving legacy applications from 3270 screens onto web applications built on Bluestone Sapphire Web 5.0, and OpenConnect Java Screen Scraper.

Product 11 was a set of transaction processing web applications similar to product 10, with different technology. It used a TN-3270 gateway, screen scraper, and Java web application server. I was the architect and programmer of this product.

Product 12 was a series of transaction processing web applications for mutual fund companies. This was the www.funds-info.com website for Harris, Numeric, Blackrock, and Citizens Funds (Sunsetted April 2002, I retain a mock-up). The thin client (web browser) used extensive object-oriented JavaScript and Dynamic HTML to prefetch all account information, and pre-process transactions. The front-end was a Netscape webserver running on SunOS, custom CGI's written in PERL, server-side JavaScript, and server-parsed HTML (server-side includes). The middleware was an OS/2 box running an application server programmed in Rexx. The back-end legacy systems stored all data, and processed transactions.

Some of my other accomplishments as the senior team member included:

I researched and selected new technologies.

I planned the training and development of our programmers, and helped to establish standards.

I taught mainframe programmers to become J2EE Servlet/JSP programmers.

As part-time employment, I also taught night courses in JavaScript/DHTML/XML at a national computer school.

The Star Company
Philadelphia, Pennsylvania
July 1996 to April 1998
Consultant

Web page design and hosting. Full life cycle web page design in a small shop. I worked with the client to develop the content theme. I coded HTML and JavaScript in a text editor. I constructed animations from graphics or photographs in various GIF animator packages. I created and edit graphics with Photoshop. I scanned artwork, photos, and logos with Photoshop and a Twain-compliant scanner. I provided InterNIC registration, search engine registration, and continuing webmaster services.

**Naval Air Warfare Center
Warminster, Pennsylvania
March 1995 to July 1996**
Safety and Occupational Health Specialist

Designed three databases (Dbase). Programmed three Database applications (Dbase). The first program/database maintained an inventory of Material Safety Data Sheets; the second tracked hazardous materials, the third tracked hazardous waste disposal. The program for hazardous waste tracking helped to meet regulatory requirements for time-critical transfer of hazardous waste to licensed disposal agencies. It calculated the average disposal time by weight per month, generated the EPA-DOT required reports, and created an alert when the disposal process was behind schedule.

Designed two databases (Dbase). The first tracked respiratory protection training and fit testing; the second tracked vision and hearing protection training and fit testing.

**157th Separate Infantry Brigade
Horsham, Pennsylvania
January 1992 to January 1995**
Assistant Facility Engineer, Acting Facility Engineer

Facility Engineer for 13 USAR facilities in two states from Pittsburgh to New Jersey. These were light industrial, commercial, and office spaces. Some of these facilities were leased, but most were government owned. All were reaching the end of the life cycle for their major systems. Major construction projects included: several new roofs, parking lots, HVAC systems, Boiler systems, Asbestos Mitigation, PCB Mitigation, Underground Storage Tank replacements, institutional kitchen installations. Regular program management budget planning for life cycle and construction projects. Conducted Environmental Compliance Assessments of all facilities and activities. Completed environmental compliance statements and Records of Environmental consideration. Created the engineer package for a major USAR restationing plan that was adopted at the USAR model. Won the Secretary of the Army "Community of Excellence Award".

**157th Separate Infantry Brigade
Horsham, Pennsylvania
April 1992 to August 1994**
Public Affairs Officer (Concurrently)

Acting Public Affairs Officer for a 5000 person organization. Wrote, photographed, and edited the major stories for two issues of the organizational publication in PageMaker. Developed my subordinates by enrolling them in the first USAR and civilian training in six years. Spearheaded a joint enterprise with three USAR commands to create a "Civilian Enterprise" publication that printed and delivered the organizations' publication to the homes of their members at no cost to the government.

**Headquarters Company, First Battalion, 315th Infantry Regiment
Philadelphia, Pennsylvania
September 1990 to January 1992**
Executive Officer

Executive Officer for a 316 person organization. Supervise the full-time staff on a daily basis. Coordinate all inspections. Oversee the logistic, personnel, finance, maintenance and transportation operations. Successfully passed the first US Army IG inspection in six years.

Designed and programmed a complete personnel, finance, training, and logistics system (Dbase). This system tracked all critical areas of combat mission readiness for the organization, and rendered alerts to problems. Daily functions of the key system (pay, personnel, training, and logistics) were greatly simplified.

**B Company, First Battalion, 315th Infantry Regiment
Philadelphia, Pennsylvania
May 1988 to September 1990**
Executive Officer

Executive Officer for a 112 person organization. Supervise the full-time staff on a daily basis. Coordinate all inspections. Oversee the logistic, personnel, finance, maintenance and transportation operations.

EDUCATION

US Military Academy

West Point, NY

University of the State of New York
Albany, New York
Bachelor of Science

University of Oklahoma
Panama Campus
Master of Public Administration - Incomplete.