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## Work Experience

### General Motors Global Manufacturing & Quality

*Pontiac Centerpoint Campus, Pontiac, MI*

**2006-Present**

*Software Development Manager - Information Systems & Services*

I am currently responsible for managing development and maintenance efforts of a web based application utilized by 2000 employees at over 200 General Motors (GM) facilities globally. I lead teams of developers and project managers while simultaneously supporting the development of multiple releases and break / fix issues.

#### Accomplishments :

- Lead the development of a software release which allowed for customer acceptance of a custom software application (releases prior to my involvement had been rejected by the customer).
- Demonstrated the ability to provide crucial leadership required for tough projects while working in a diverse and challenging environment
- Reduced the total number of known software defects by 68% (corrected all major issues).

### General Motors Service and Parts Operations

*SPO World Headquarters, Grand Blanc, MI*

**2002-2006**

*Global Project Manager - Information Systems & Services*

I worked in the function of Global IT Project Manager in the Information Systems and Services (IS&S) department of GM Service and Parts Operations (SPO). I served as the IT engineering liaison for a global software development initiative for electronic control module programming. This position required me to manage multiple international multi-million dollar projects that supported an enterprise wide common architecture for delivering service programming to GM vehicles globally. This position also familiarized me with the CMMi software development process.

Another main responsibility of mine was Team Leader and Web Master of the SPO divisional intranet site. This included leading a cross functional team that was responsible for managing web site content for all departments within the SPO division of General Motors

#### Accomplishments :

- Managed IT development of a global service programming system. This activity consolidated multiple systems globally and reduced ongoing support costs by \$9,700,000.00 annually.
- Architected and managed offshore development effort of General Motors first fully ecommerce enabled website. The solution I designed utilized J2EE framework and multiple web services (XML messaging, shipping API's, payment processing API's, etc...). These efforts also satisfied EPA and CARB regulations that avoided penalties of up to \$25,000.00 /

- day.
- Reduced implementation times for content changes on intranet site from 5 business days to 1 business day.
- Architected a solution to consolidate multiple intranet sites. This resulted in a one time savings of \$150,000.00 and an annual savings of \$30,000.00
- Architected the re-design of a corporate intranet site. This increased user acceptance and bolstered usage of the site by 800% daily.
- Provided annual technical (web application) support to the Buick Open Charity auction. Due to my involvement, fund raising increased from \$5000/year to \$40,000/year.

#### **General Motors Truck Group**

*Pontiac Assembly Center, Pontiac, MI*

**1997-2002**

*Electrical Engineer - Plant Engineering*

**As a Computer Systems Engineer in the Plant Engineering department, my responsibilities included Web Administrator for the entire facility, Administrator of NetCache server, administration of other Windows NT and UNIX based servers (prodoc, MASS, Network Appliance), programming, manipulating electrical schematics in AutoCad, and trouble shooting electronic controllers (PLC's). Along with my technical responsibilities, I also led the PEA common web users group project, as well as taught summer interns the basics of web site design, and have led or been a part of several other managed projects, such as the CMORE installation project and the water leak test project. In this position I acted as a liaison between the Plant Engineering Department and the EDS account. I resolved manufacturing issues by engaging resources from Engineering, EDS, outside suppliers, and GM UAW skilled trades in order to sustain production.**

#### **Accomplishments :**

- Lead the installation of an assembly line throughput improvement system. This gained over 0.5 JPH which translated to a \$10,000,000.00 annual gain.
- Architected the electrical design and managed the installation of a water leak test system. This provided data that was used to reduce passenger compartment leaks and improved quality.
- Lead Y2K efforts for engineering supported plant floor systems. As a result, there was no disruption to production.
- Architected, developed, and managed installation of a weather monitoring system that was used to avoid EPA retribution.
- Designed a web based (digital imaging) solution to monitor and address assembly line issues.

#### **Concepts in System Design**

*Tecumseh, MI*

**1995-1996**

*Technician - Installation*

**While working at Concepts in System design I installed and wired high-speed computer networks (LANs / WANs). My duties included termination and installation of CAT5 wiring, patch cords, patch panels, and closets. I was also responsible for toning, testing, and trouble shooting of the LAN's.**

## Education

**Carnegie Mellon University**  
*Pittsburgh, PA*

**Masters of Science in Information Technology (August 2005) \*magna cum laude.**

**Michigan State University**  
*East Lansing, MI*

**Bachelor of Science in Electrical Engineering (May 1998).**

## Technical Experience

### Operating Systems

**Microsoft Dos, Windows 3.1, Windows 95/98, Windows NT 4.0, Windows2000, Windows XP** - I have followed a working progression with Microsoft operating systems from DOS 6.0 up to Windows2000. I am most familiar with Windows 2000 due to my daily activities working in that particular environment.

**UNIX** - I am familiar with both Solaris and HP UNIX shells. I have completed college level courses in each. I used Solaris previous assignments for supporting applications such as DNS servers and Web Servers.

**LINUX** - I have four years experience with the LINUX OS. I have installed and administered RedHat LINUX on multiple hardware platforms.

### Languages

**Java** - I have written customized java applications as well as applets and servlets in previous positions. I have completed Sun Microsystems class SL – 275 and two collegiate level courses.

**Fortran, C, C++** - I have studied and programmed at the college level.

**HTML, JavaScript, CGI, Perl, CSS, XML, ASP, SQL, Flash, PHP** - I am self-taught through tutorials, printed media, the internet, and daily use in my multiple positions at the General Motors. I have been using HTML for over ten years.

**Allen Bradley Ladder Logic** - I have created, edited, and debugged Allen Bradley Ladder Logic in my position at Pontiac Assembly Center in Plant Engineering. Additionally, I am familiar with Allen Bradley's suite of Plant Floor system software (Rslogix, RSLinx, AB6200, etc...).

**GE Fanuc Cimplicity** – I created, edited, and supported GE Fanuc Cimplicity monitoring and control screens in my position at Pontiac Assembly Center in Plant Engineering. I

#### Web Servers

**Netscape Enterprise Server 3.6** - I installed and maintained for two years.

**Netscape iPlanet / Sun One.1** - I installed and maintained for one year.

**Microsoft Internet Information Server 4 (IIS4)** - I installed and maintained for two years.

**Apache Web Server (Linux and Win32 releases)** - I installed and maintained for six years.

I am also familiar with the use and administration of various DNS, s/FTP, TELNET, SSH, and email servers. I have created Microsoft Access, MS SQL, Oracle and mySQL databases.