

DONNA P. JACKSON

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SUMMARY

A Senior Computer Engineer with over 25 years of experience in the Information Technology field. Acknowledged strengths in Systems Administration, Network Administration, Web Design/Development, Web application and Development, and Software Engineering. An extroverted, intrinsically motivated person who learns quickly, establishes strong working relationships, and possesses a desire to succeed. Ideally, use my IT skills in a telecommuting environment. Proven skills are

- Systems Design and Development
- Hardware/Software Technology
- Technical Training/Office Automation
- Healthcare IT Application Development
- Network Technology
- Web Design and Development
- Micro-Computer Technology
- Multimedia / Graphic Artistry

PROFESSIONAL EXPERIENCE

AUBURN UNIVERSITY AT MONTGOMERY **2022-present**
Adjunct Faculty, College of Science, Computer Science

- Designing and implementing a C# Programming class for undergraduate and graduate level students
- Utilizing Blackboard and Respondus Lockdown Browser for the class

HEALTH CARE SYSTEMS (HCS, INC) **2013-present**
Software Engineer / HL7 Interface

Software Developer for Communications, HL7 Interfaces and HCS Clinicals product.

- Skillsets used include ANSI C, C++, C#.Net, VB.Net, SQL, Windows Server, TCP/IP communication, Java, Visual Studio 2012-2022
- Main Analyst/Developer for the Central Server Custom communication software between HCS and all sites and HCS and partners.
- Main Software Engineer for all ePrescribing interfaces including EPrescribing and Electronic Prescribing of Control Substances User Interface, Directory processing, Pharmacy demographics processing, & Pharmacy Benefit Manager Data Management
- Maintain all QA Servers and Databases
- Develop and maintain all certification changes and requirements to keep HCS certifications current and any new certifications needed for our eHR and Communication software
- System Administrator on the Servers dealing with the E-Prescribing and Communications for the company and all the hospitals HCS services
- Back up Support for the Front-Line Support Team

SL ALABAMA, Alexander City, AL**2011 - 2013**

Tier 1 Automotive Supplier to Kia and Hyundai for head lights, tail lights, and mirrors Headquartered in Daegu, South Korea and part of the SL Corporation, SL Alabama is a large automotive manufacturing plant in the Alexander City area.

I.T. Administrator

Department and project management are primary duties. Team of I.T. Technician, I.T. specialist and I.T. Administrator took the barebones no infrastructure I.T. department to a modernized up to date virtual environment with three ESX hosts and ESX SAN hosting 23 virtual machines (servers) and multiple file shares and data stores within 16 months' time. Projects include

- Installing, implementation, and maintenance of a plant wide shop floor system called MES – Manufacturing Execution System
- Installing, implementation, and maintenance of a modern 1 GB wired and 2.4 and 5.2 GHz wireless network in the full plant
- Implementation and maintenance of virtual environment with 3 ESX hosts and ESX SAN currently with 2 shelves
- Installation, Configuration, and Maintenance of plant wide Security Camera System with 60 HD cameras throughout plant and recording / archiving scheduling in server and SAN.
- Laptop/Desktop installation and maintenance
- Cisco LAN using 3750 and 2960 POE Switches
- Metro E 20 MB line with bursts of 100 MB
- Asset Management System
- Cisco UCS VoIP phone system
- Company Cell phone administration
- Company two-way radio administration
- Creation of I.T. Budget
- Paying all monthly / annual invoices for services and support

NORTHROP GRUMMAN CORPORATION, Auburn, AL**2007 - 2011**

Northrop Grumman Corporation is a \$32 billion global defense and technology company whose 120,000 employees provide innovative systems, products, and solutions in information and services, electronics, aerospace and shipbuilding to government and commercial customers worldwide.

Software Engineer III

Designing, developing, testing, and implementing enhancements and corrections to various Web applications and Web sites with various Northrop Grumman Sectors.

- Last two years performed application administration mostly Websphere and IIS web application management as well as some Sharepoint development
- Developed and implemented Auburn NWFC portal web application utilizing .NET, C#, MS SQL Server 2005, and ASP.NET.
- Developed and implemented various websites for San Diego County California in Web Documentum
- Develop and maintain the Desktop Asset Management System also known as ITRR for the Space Technology Sector utilizing Coldfusion, Dreamweaver, MS SQL Server 2000 and 2005 and FuseBox 3.0 Framework
- Use .NET and Visual Studio 2005 with C# to create web services to talk between a Java interface and a Coldfusion system.
- Manage 2 – 3 Junior level Software Engineers

CERNER PHYSICIAN PRACTICE, INC, Birmingham, AL **2004 - 2007**

For more than 26 years, under the consistent leadership of our three founders, Cerner has focused on developing healthcare information technology (HIT) solutions. Our 870 clinicians, 1,360 engineers and 2,100 consultants have deployed more than 4,300 Cerner Millennium® applications to clients across the globe.

Software Engineer III

Designing, developing, testing, and implementing enhancements and corrections to various Practice Management Solutions.

- Developed and implemented fully electronic statement generator and file transmitter.
- Developed and implemented the Medicare Secondary Claim processing
- Learned and utilized the ZIM development environment and database system for KIRON Practice Management solution
- Learned and developed with the DBL programming language for ProMed Practice Management Solution
- Developed and maintained electronic medical billing modules
- Developed and maintained HL7 interfaces which communicated electronically between my system and the laboratory's system
- Working in Solution-to-Solution Data Conversion where clients move from Legacy solutions to the newest Go-Forward solution

RUSSELL CORPORATION, Alexander City, AL **2003**

An international apparel company specializing in active wear, casual wear, and athletic uniforms with over 15,000 employees worldwide and over \$1 billion in annual sales.

Systems Analyst II

Designing, developing, testing, and implementing enhancements and corrections to the EMS system for the College Bookstore Division.

- Developed and implemented RF (radio frequency) inventory management system.
- Participated in a new plant startup in Ceritos, CA
- Supported new plant in Ceritos, CA
- Improved Customer Service/Order Entry system by enhancing graphic/design number creation and maintenance for both facilities
- Received Achievement Award in April 2003 for timely and effective Wideworld plant startup in Ceritos, CA

CORNING CABLE SYSTEMS (formerly Siecor), Hickory, NC **2000 - 2002**

A leading manufacturer of fiber optic and copper communication systems with approximately 13,000 employees worldwide.

I.T. Analyst/Applications

Developed and implemented enhancements and modifications to the business, inventory control, and shop floor systems.

- Maintained and enhanced the Product Technical Documentation Database in Lotus Notes which led to the ISO 9001 Certification for the facility.
- Developed and implemented product labels based on customer specifications.
- Designed, developed, and implemented enhancements to the accounting, inventory control and shop floor systems.

SELF-EMPLOYED - I.T. CONSULTANT, Morganton, NC **1993 - 1998**

Responsible for the full range of I.T. consulting operations in connection with MS Access development, MS Office Users Training, Hardware installation and configuration, Software installation and configuration.

I.T. Consultant, Morganton, NC

- Retained by Caldwell County Hospice, Burke County Habitat for Humanity, Tradition France, Inc., Blackstone Wood Products, Inc., Ran's Finishing and various individuals as an I.T. Consultant.
- Developed and implemented MS Access Databases from simple one form/one table databases to complicated multi-table/multi-form databases with interaction between MS Office products.
- Installed and configured various types of hardware and software products
- Provided user training in a one-on-one setting as well as a classroom environment

I.T.T. TEVES, Asheville, NC

1992 - 1993

One of the largest manufacturers of hydraulic and electronic brake systems, stability control and chassis stems, and electronic air suspension systems with 12,680 employees worldwide.

CIM Engineer

Provided installation and administration of DECstations with Ultrix, application development, and in-house application training seminars.

- Performed System Administration on the DECstation 5000/200 ULTRIX machine
- Implemented DEC PATHWORKS for ULTRIX and PATHWORKS for DOS
- Performed System Administration on PCs using DEC PATHWORKS
- Studied CMI TRANS4M Material Handling Systems
- Troubleshoot and maintained PCs and terminals
- Developed applications using the Microsoft Windows Software Development Kit, Microsoft C/C++ compiler, and The Lotus 123 Add-In Development Toolkit
- Initiating and implementing SQL on the Unidata Database in ULTRIX by defining the attributes and dictionary entries inside the SQL dictionary
- Designed and implemented an interface from SQL flat files on an ULTRIX machine to a LOTUS 1-2-3 spreadsheet
- Developed and conducted PC application training courses for in-house seminars.

GTE GOVERNMENT SYSTEMS, Montgomery, AL

1990 - 1992

A leader in the advancement of command, control, communications and intelligence systems; electronic defense systems, communication switching; and information systems for defense, government, and industry in the United States and abroad with approximately 6200 employees.

Software Engineer

Provided systems administration on various hardware platforms and operating systems, developed graphical user interfaces, implemented an Ethernet LAN system that spanned across two different geographic locations.

- Performed System Administration on the Sun Unix Workstations and VAX
- Held Top-Secret Military Security Clearance
- Developed a Modernization Support Environment (MSE) involving integration of several Commercial-Off-The-Shelf products to support the Air Force Methodology with a Graphical User Interface in OpenWindows and MIT X
- Installed and configured hands-on LAN implementation in two geographical separated locations with a T1 link connection between locations
- Performed network management
- Installed, configured and repaired Macintoshes, Sun Workstations (Servers & Clients), and PCs
- Compiled and installed the MIT X-Window System for the Sun
- Conducted classes for users on Unix and OpenWindows
- Upgraded 5 Sun 3/80 workstations to SPARC 2 workstations

- Installed and configured Oracle, Sybase, OpenWindows, SunOS, Mac OS, DOS, Teamwork, and Interleaf
- Assistant Team Lead for Computer Services
- Received Technical Award in Fall 1991 for paper and presentation on the MSE

EDUCATION

Auburn University, Auburn, AL, 2020-present

Major: Masters of Software Engineering (**Graduate Coursework**)

21 hours completed GPA: 4.0

12 hours remaining – Graduation Date Dec 2022

BCPE, Auburn University, Auburn, AL, 1990.

Major: Computer Engineering

Minor: Applied Mathematics

A.S., Alexander City State Junior College (now CACC), Alexander City, AL, 1987

Major: Computer Science

Graduated Magna Cum Laude

PUBLICATIONS

Visualization of Accident Data, *ACM-SE 28: Proceedings of the 28th Annual Southeast Regional Conference*, April 1990

Speech through myoelectric signal recognition SMyLES, *ACM-SE 28: Proceedings of the 28th Annual Southeast Regional Conference* April 1990, pp 288–295

TRAINING

HARDWARE:

- φ IBM AS/400s, and IBM Mainframe 3081 3083
- φ Sun SPARCs, ELCs, SLCs, 3/60s, 3/80s
- φ VAX 4000, MicroVAX 3900, MicroVAX II, VAX 11/780, VAX 6410
- φ clustered with 2 VAX 8350s
- φ DECstation 5000 Models 25, 200, & 240
- φ PCs and Macs
- φ ESX Hosts and SAN
- φ Cisco 3750 and 2960 Switches

LANGUAGES:

- φ C#.Net, C, C++, Ada, Pascal, COBOL, PL/I, Assembly (Mainframe & PC), MVS JCL,
- φ X-Window System / Motif, SunPHIGS, GKS, LISP, FORTRAN, LEX, YACC,
- φ FLEX, BISON, Postscript, FoxPro, OS400 RPG IV, OS400 CL, Visual Basic,
- φ Lotus Notes, ZIM database development environment, DBL, MS SQL, Java (beginning),
- φ MS SQL Server, C#.Net, ASP.NET, VB.NET, Visual Studio IDE, Coldfusion,
- φ Dreamweaver, Fusebox 3.0, HTML, SQL Server, MySQL, Sharepoint, Python

OPERATING SYSTEMS:

- φ PC DOS, MVS, IBM mainframe DOS, VMS, Unix, SunOS, Mac OS, ULTRIX,
- φ OS400, Win NT, Win 95, Win 98, Win 2000 Pro, Win XP, AIX and SCO Unix, LINUX
- φ Windows Server
- φ VMWare

APPLICATION SOFTWARE:

- φ MS Office, MacDraw, MacPaint, MacWrite, WordPerfect, Lotus 123,
- φ FoxBASE+, Teamwork, Oracle, Sybase, FoxGraph, AutoCAD, OpenWindows,
- φ X-Windows, AmiPro, Freelance Graphics, Harvard Graphics, Lotus Notes,
- φ TLAshford Labeling Software, Internet Explorer, SQL Server, PLSQL, Oracle
- φ Unified Communication Software (Cisco IP phones), Milestone XProtect Security Recording Software, Microsoft Office Products

LEADERSHIP ROLES

- 1988-1989 President, ACM Auburn University Campus
- 1989-1990 Undergraduate Research Assistant
- 1999-2007 Girl Scout Troop Leader, Girl Scout Troop Committee
- 2003-2005 Girl Scout Regional Cookie Chair
- 2004-2017 Boy Scout Troop Committee Member, Boy Scout Troop Scoutmaster, Cub Scout Packmaster, Cub Scout Pack Leader
- 2008-2017 Alexander City Band Booster Officer
- 2017-present VBS Director for West End Church
- 2009-present Media Committee Member/ I.T. Director for West End Church, VBS Director, Assistant Youth Leader

INTERESTS

Girl Scout Leader, Assistant Teen Girls Leader, Youth and Adult Choir, Drama Team, Media Ministry Director, Boy Scouts, Band Booster Officer-9 years, VBS Director, Music, Reading, Sewing, Crafts, camping, scrapbooking, swimming, baseball, football and enjoying my family