John Shelton

johne.shelton@yahoo.com
915-248-6914

Skills

- C, C++, Java
- VB.NET
- HTML, CSS
- XML
- SQL

- Web Services
- Shell scripting

- Visual Studio
- Eclipse, NetBeans
- GCC, make
- SVN, TFS

- Linux, UNIX
- Windows
- Agile, Waterfall methods

Experience

Developer II, Hewlett Packard Enterprise
February, 2013 – present
- Developer for a Medicaid/Medicare data management system
- Maintain batch, report, and system software in a mixed Windows/UNIX environment
- C, Oracle SQL, shell scripting, XML
- Visual Studio, TFS, CC, Make, Pro*C
- Waterfall software development method

Graduate Research Assistant, UTEP EE Dept.
September, 2012 – January, 2013
- Developer for a Boeing engineering requirements tracking and management application
- Created parser and data model
- VB.NET, XML, Visual Studio, SVN
- Agile software development method

Graduate Research Assistant, UTEP CS Dept.
November, 2010 – September, 2011
- Developer for a Boeing space shuttle flight payload analysis application
- Created constraint library and configuration tool to provide run-time data validation
- Java, Java Swing, JDBC, Oracle SQL, Junit, Eclipse, Netbeans, SVN
- Agile software development method

Graduate Research Assistant, UTEP CS Dept.
June, 2008 – August, 2008
- Lead developer for a Boeing ISS power analysis application
- Designed solution to better meet system requirements
- VB.NET, NUnit, Visual Studio, SVN
- Agile software development method

Technical Support Representative, Onramp Access, Inc.
March, 2001 – October, 2002
- Technical support at a medium-sized ISP
- Supported connectivity (dial-up, ISDN, DSL), email (Postfix, MS Exchange), and web hosting (Apache and IIS HTTP servers)

Education
Master of Science in Engineering, Software Engineering Track
University of Texas at El Paso, August, 2012

Software engineering	Requirements engineering
Project management	Object-oriented design
Software verification & validation	Software architecture
Software design metrics	Data visualization

Bachelor of Science in Computer Science
University of Texas at El Paso, December, 2007

Software engineering	Object-oriented programming
Software design and analysis	Computer organization
Systems and network programming	

Academic Projects

Code Structure Visualizer++, static software analysis and visualization
Incorporated software metrics measurement and visualization into the feature set of a static software analysis tool. Modified GCC C/C++ compiler front end to capture metrics information; modified GUI application to extend code visualization to include software metrics.
- C and C++ languages, wxWidgets, Code Structure Visualizer base code, XML
- GCC, Make, Linux, Visual Studio, Windows/Cygwin environment

Dchat, a distributed chat application
Designed and implemented a simple, peer-to-peer chat application for use in a Unix-based LAN.
- TCP/IP network programming; multicast programming; distributed, multi-threaded process design.
- Linux, Vim text editor, GCC compiler suite, Make project management utility.

Intree, network routing protocol simulator
Designed and implemented a configurable simulator for a wireless network routing protocol
- TCP/IP networking principles; WAN and wireless networking principles.
- Linux; Vim text editor; GCC compiler suite; Make project management utility; Bash shell scripting (for verification purposes).

Web Services Database Application
Participated in the design and development of a SOAP-based web service to provide access to a geological data store.
- Java, Javascript, HTML, CSS, MySQL
- Linux, Apache HTTP server, Tomcat servlet engine, JSP, JDBC