

## MARY A. BURWELL

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### **SUMMARY**

Eight years software quality engineering and testing-specific experience in a variety of projects and environments in the telecommunications private sector including three years lead experience. Functional, integration, system and related test methodologies. Experience testing web application, client-server, database and related projects on Windows and UNIX operating systems. Coordination and leadership roles in creation and execution of QA and testing processes, test strategies and plans in both traditional and extreme programming environments.

### **EXPERIENCE**

Noel-Levitz, Inc. Englewood, Colorado  
*Software Test Engineer*

8/2005 to 12/2005

- (contract) Primary tester for business application developed for university retention programs.
- Validated multiple modules of application developed in .net and sqlserver environment.

Retreon, Inc. Englewood, Colorado  
*Software Test Engineer*

5/2003 to 7/2005

- Validated J2EE middleware process manager with JBOSS application server to integrate Local Number Portability elements into existing carrier network, including SQL scripting to manipulate Oracle database.
- Tested Intercarrier processing (ICP) and network elements including SOA, inventory manager and third party ICP.
- Validated connectivity between multiple interfaces communicating with the integrated process manager. Interfaces include CORBA xml, web services and CMIP.
- Led fallout troubleshooting in production utilizing application and network element logs to identify areas for fallout management system and enhancements.
- Installed and configured .net applications for metrics and project tracking product.
- Developed and maintained system test plans for large telecom client and provided technical feedback during client's requirements gathering process.

Created Wireless and Wireline fallout management practices document and trained client and contractors on implementation of these practices.

- Trained new personnel on testing procedures and processes.

Evolving Systems, Inc., Englewood, Colorado  
*Software Quality Engineer*

12/1997 to 2/2002

- Led software integration and system test projects for multiple wireless and wireline test teams.
- Led patch testing with local testers and offshore group for wireline products, adapters, and interfaces for local number portability (LNP). Installed and configured the patches.
- Automated scripts for system feature/functional testing and regression.
- Provided tester training and Acceptance Testing at customer site
- Performed requirements reviews, created test plans, prepared test scripts for automated tests, implemented test cases, generated and tracked defect reports, and authored and reviewed user-level documentation.
- Coordinated software development life cycle, testing methodologies, and quality assurance processes.
- Configured simulators to drive test system components in CDPD network to test performance and emulate "live" environment.

### **COMPANY SPONSORED COURSEWORK**

Introduction to Cellular Digital Packet Data  
UNIX K-shell programming  
MS Project

### **INDIVIDUAL COURSES**

WinRunner

### **COMPUTER SKILLS**

- UNIX
- SQL queries for Oracle and SQLServer database
- TCP/IP, SOAP, XML, HTTP
- MS Word, Excel, Project, Visio

### **SOFT SKILLS**

- Resourceful self-starter with a strong work ethic
- Calm voice amid chaos
- Strong ability to interact at all organization levels
- Pragmatic professional who works well both independently and as a project team member
- Solid ability to recognize critical issues and prioritize effectively
- Strong sense of ownership

**EDUCATION**

Indiana Wesleyan  
MBA, Management

Purdue University  
B.S. Horticulture