Paul Ellsworth

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Profile

Software test and QA engineer, currently working at IBM in Data Mobility Services. Experience with general software testing - command line, GUI, and web applications - as well as test automation, various storage management, system administration. Proficient in many operating systems and quick to learn. Active composer of contemporary classical music and actively involved in various local musical groups as both a conductor and performer. Both analytical and creative thinking, yielding creative and thorough software testing.

Education

The Master's College
Bachelor of Science: Computer Science, 2008
Bachelor of Music: Theory and Composition, 2008
Graduated *summa cum laude*

Skills

Software Testing
Test plans and reports, test case design. Test automation including framework, backend, and test design. Disk and network I/O performance testing and analysis. Command-line, GUI, and web application testing.

Applications
IBM Softek Replicator and IBM Softek TDMF, Novus SERP, Oracle Database 11g, MySQL, DB2

Platforms
Operating Systems: HP-UX, AIX, Solaris, Linux (including RedHat Enterprise Server and SuSE Enterprise Linux), Windows. Windows and Linux include x86-32, x86-64, and Itanium underlying architectures.
Clusters: Windows (2003, 2008), PowerHA, Veritas

Volume Managers
LVM (AIX, Linux, HP), Solaris Disk Suite, Veritas Volume Manager (including clustered filesystems)

Virtualization
VMware ESX Server, Oracle VirtualBox, IBM VIO Server, HP Integrity Virtual Machines, Xen

Programming and Scripting Languages
Python, PHP, Perl, Javascript, SQL, shell (Bourne, BASH), HTML, XML, CSS
Limited experience: C++, Java

Work Experience

IBM, San Jose, CA   **2010 - Present**
Staff Software Engineer
- Software test planning and execution, primarily functioning in an integration test capacity.
- Responsible for helping test a variety of data mobility products and assisting testing a related product when necessary. Responsibilities include test plans, test cases, test execution, test reports, opening and verifying work requests/bug reports, and helping recreate customer issues.
- Primary engineer responsible for automated test design, frontend and backend feature implementation, and any other improvements to the test automation framework. Automation framework uses a combination of *Perl, Python, PHP, HTML, Javascript,* and *shell* scripting.
- Work closely with other testers and developers to improve automated framework with bug fixes and feature requests.
- Backup for lab administrator and build engineer (vacation, illness, or other unexpected absence).
- Responsible for security standard implementation.
- Provide various scripts and web applications to improve efficiency for manual tasks, such as gathering machine status reports, lab machine inventories, security standard remediation status tracking, automated password changes for lab machine access, and other minor projects.

IBM, San Jose, CA   **2008 - 2010**
Software Engineer
- Software test planning and execution, primarily functioning in an integration test capacity.

- Responsible for helping test a variety of data mobility products. Responsibilities included test plans, test cases, test execution, test reports, opening and verifying work requests/bug reports, and helping recreate customer issues.
- Designed and implemented a frontend, as well as implementing necessary changes to the existing backend, for an test automation framework. Automation framework uses a combination of Perl, Python, PHP, HTML, Javascript, and shell scripting. Test automation interacts with many technologies including virtualization, blade server management consoles, and disk and volume managers.
- Designed and implemented a frontend to interact with various network installation service backends (Jumpstart, Ignite, NIM, PXE, AutoYast, and Anaconda) and create templates, answer files, or configuration files as necessary to allow remote hands-off installation systems over the network.
- Assisted automated test design and various automation framework improvements.

Gavilan College, Gilroy, CA   **2003**
Tutor
- Tutored college students in math.

Activities

Minister of Music: Trinity Bible Church in Morgan Hill, CA	**2010 - Present**
Morgan Hill Wind Symphony, Assistant Conductor	**2010 - Present**
American Composers Forum	**2006 - Present**

References

Available upon request.