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DEVELOPMENT SUPPORT / RELEASE ENGINEER

Extensive experience creating and extending software development, release, and installation environments. Background includes source control systems and builds management, networking and operating systems, clustered systems, hardware, and virtual machine management. Key skills include anticipating/addressing development group needs, detail oriented, communicating technical information, versatile, and supportive.

TECHNICAL SKILLS

- ClearCase/PVCS/CVS/VSS
- AccuRev Certified Engineer
- Agile/XP
- InstallShield, InstallAnywhere, RPM
- Software Asset Protection
- Build Automation
- Perl/awk/bash/make/ant
- Disk Imaging
- VMWare
- TCP/IP, Wireless
- Clusters (NT/UNIX/VMS)
- Low Volume CD Mfg
- MS Windows/Cygwin
- MacOS
- System, Network Mgmt

EXPERIENCE

Litle & Co. Lowell, MA

2007 - 2009

Build and Release Engineer

Technical contributor with #1 INC 500 Company specializing in payment process management for the direct marketing industry. Company is Agile/XP since 2001 with monthly iterations. Product is a Linux based service.

- Increased development productivity 15 fold with SCM improvements and concurrent development streams. Increased nightly integration builds from 2 to 20 on the primary build servers.
- Extended AccuRev functionality to support company Agile/XP processes.
- Implemented virtual machines for test beds, tool development, and staging environments.
- Prototyped a RHEL/x86_64 workstation so engineering and QA function in a private production-like environment for full unit and integration tests prior to submitting changes for integration The new workstation configuration freed resources on the primary build servers to accommodate the increased nightly build load.
- Conducted an SCM tool evaluation and migrate a very large code base with seven years history from CVS to AccuRev. Imported Bugzilla database into AccuRev issue tracking. Repository provides hot-backups, replication.

Avaya, Chelmsford, MA

2002 - 2007

Development Tools Engineer

Technical contributor with the Spectel division that creates audio conferencing hardware and software products on SCO/UnixWare, Linux and Microsoft Windows.

- Designed and implemented robust product installers for Windows and Unix, focused upon customer experience and customer supportability.
- Implemented tools to auto generate Linux distributions for an IP audio conferencing system. Distribution designed for field technicians to go from raw hardware to a fully functional system in 15 minutes. Wrote supporting documentation for field technicians.
- Designed manufacturing imaging process and tools for SCO/Unixware for distributed product manufacturing.
- Designed and implemented an AccuRev infracture providing high availability, low network overhead, and cross-site disaster protection without complex IT supports.
- Managed all aspects of UnixWare, Linux, and Windows build lab.

deNovis, Inc. (a.k.a. “eHealth Direct”), Lexington, MA 2001 - 2002

Release Engineer

Technical contributor with a start-up company whose objective is to revolutionize health claims processing. Company is developing a four-tier WebLogic application service.

- Automated and documented the Windows build resulting in a 3-fold reduction in build turn-around time.
- Deployed weekly QA builds of a four tier WebLogic application, on Solaris and Windows-2000 (four tiers each platform).

GIOS, Inc., Nashua, NH 2000 - 2001

Consulting Release Engineer, Engineering Information Systems group

Technical contributor with a start-up consulting company providing software development process improvements to clients.

- Created and automated build processes for an ISO-9001 certified client developing medical products using Java and WebLogic. Tools create reproducible build results, kitting, media creation, and report generation. Client commended tools for their maintainability, accuracy, and supporting documentation.
- Prototyped an automated, multi-host test bed that is initialized, configured, and started by the build process. The build triggers download known good baseline systems (OS, test tools, databases, etc), boot and auto login to the baseline system, install the build results, run QA supplied test suites (SilkTest scripts, etc...).
- Enhanced RedHat Package Manager for client to embed build time specific data into the build and kitting/distribution tools.
- Created processes for disaster recovery, legal escrows, SCM & build environment archiving.

Synapix, Inc., Lowell, MA 1999 - 2000

Principal Release Engineer

Implemented release engineering, build, installation, and test automation for a start-up company developing high-end video editing products for the film and broadcast industries.

- Improved QA productivity – Eliminated two hours of QA test bed setup by allowing multiple installations of the same product on the same machine. Developed build tools

that synthesis data to create build specific InstallShield packages; each installation has build specific shortcuts, directories, and GUIDs.

- Optimized a low volume manufacturing process from 6 hours per machine to 10 minutes for *many* machines using disk imaging and network multicast techniques.
- Automated build and reporting system for a Java and C++ based product.

Ftp Software, Inc., No. Andover, MA

1993-1999

Principal Release Engineer

Created and staffed a release engineering group.

- Co-authored and implemented an integrated development and release process that engineered release into the beginning of projects. This process was successfully used to deliver six major product releases in a one-month timeframe. This process addressed:
 - Source code management
 - Build environments
 - Localization
 - Product fire storage
 - Multi-platform products
 - Build Automation
 - Build reproducibility
 - OEM variants
 - CD-Rom Mastering
 - Documentation
 - Coding conventions
 - Source kit generation
 - Legal source escrow
 - Multiple compilers
 - Export restrictions
- Automated source control and build processes for Intelligent Agents, a Java based project.
- Evolved an ineffective source control mechanism into a reliable, flexible, source management process with common wrapper tools based upon PVCS Version Manager for UNIX, Microsoft, and OS/2 platforms.
- Developed numerous cross-platform tools with Perl, MKS Toolkits, and UNIX shells, Created PVCS Event Triggers implemented as a Perl TCP/IP client/server application.
- Capital planning for hardware management/configuration and performance.
- Specified and managed selection and deployment of high availability UNIX NFS fileserver cluster.

EDUCATION

Credentials and Corporate Sponsored Education

AccuRev Certified Engineer, ClearCase Essentials and Administration for NT, InstallAnywhere Enterprise, Agile/XP workshops

Gordon College, Wenham, MA

Groups

Boston/SPIN
Agile/Boston
VMWare User Group
AccuRev User Group