

# David J. McMahon

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**Professional Summary** A creative toolsmith and release manager with over a decade of experience building solutions for software development organizations, creating flexible, automated build and test environments for optimized developer productivity.

**Environments/  
Languages** Linux, Unix, Windows -- Bash/Cygwin shell/sed/awk, Python, Perl/CGI -- make, svn, cvs, git, perforce, rcs, bitkeeper

## **Professional Experience** **Release Management and Automation Evangelist** **Google Inc. Mountain View CA**

**June 2007 - Present**

- ChromeOS
  - Grow and lead the release team for Google's ChromeOS project
  - Create a robust and comprehensive build and release infrastructure
  - Work with engineers, Product Managers and the executive team to manage schedules and regular ChromeOS releases as the team grew from 25 to over 250
- Systems Infrastructure
  - Designed and developed the Kernel Team's development and release process
    - Releases scaled from 1x/week to Nx/day only limited by need
    - Project leads generated their own releases - automation eliminated need for an active release engineer
    - Designed and developed release tooling and process for the Systems Monitoring and Cluster Management infrastructure

## **Build/Release Manager/Engineer**

**PeakStream Inc. Redwood City, CA**

**August 2006 - May 2007**

- Define and coordinate release processes and product cycles with engineering management
- Unify the Linux 32-bit, 64-bit and Windows build and release infrastructure using GNU Makefiles
- Develop Windows installer for the PeakStream VM with InstallAware IDE
- Design and implement helper tools for QA and developers to enhance productivity and provide automation throughout the development lifecycle

## **Senior Release Engineer**

**Good Technology Santa Clara CA**

**June 2005 - August 2006**

- Revamp a struggling manual release engineering process in a rapidly growing development environment to design and implement a brand new scalable, heterogeneous enterprise-class build and release process that provides on-demand, fully configurable and automated product builds to development and QA
- Develop best-practices policies and procedures for both release engineering and

- external groups
- Train, mentor and develop new mid-level and junior-level release engineers
- Evangelize new policies and procedures focusing on automation and process unification across all levels of the engineering organization

**President / Consultant**

**ToolIX Inc.**

**November 1999 - June 2005**

- Co-develop an easy to use Makefile template engine and toolkit for ToolIX consultants to use at customer sites
- Consult with the founders of NuSphere on the framework of the initial product offering which includes a LAMP packaged product and co-develop the initial build automation and installation software
- Manage internal and external consultants and vendors for client projects including project management and implementation of an information portal and forum for an international investment group
- Manage day to day business operations including purchasing, services contracts, staff supervision, accounts payable/receivable, finance and investments

**Principal Engineer / Integration Engineer**

**NuSphere Corporation Bedford MA**

**December 2000 - April 2002**

- Co-develop web-based, platform-independent custom package installer for NuSphere's open-source toolkit. NuSphere's Web Development Toolkit is a completely integrated (LAMP) development environment for Apache, PHP, Perl, MySQL, PostgreSQL and works on Linux, Solaris and Win32 platforms
- Design and develop a fully automated and easy to maintain platform-independent build and test infrastructure for NuSphere's core open-source toolkit components including MySQL, PHP, Apache, Perl using Linux/Unix shell and Perl

**Education**

Attended Hesser College Manchester NH  
Computer Science and Business/Management Program

**References**

Available on request