

Tools:

The Good, The Bad, The Ugly
The list for new developers

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Operating Systems

- ❶ Windows

- ❷ XP
- ❸ Vista
- ❹ 7
- ❺ 8

- ❻ Mac iOS

- ❷ Leopard 10.5
- ❸ Snow Leopard 10.6
- ❹ **Lion 10.7**
- ❺ Mountain Lion 10.8

- ❼ Unix

- ❷ Debian
- ❸ FreeBSD
- ❹ Red Hat
- ❺ Solaris

- ❽ Linux

- ❷ Fedora
- ❸ Slackware
- ❹ **Ubuntu**
- ❺ Mint



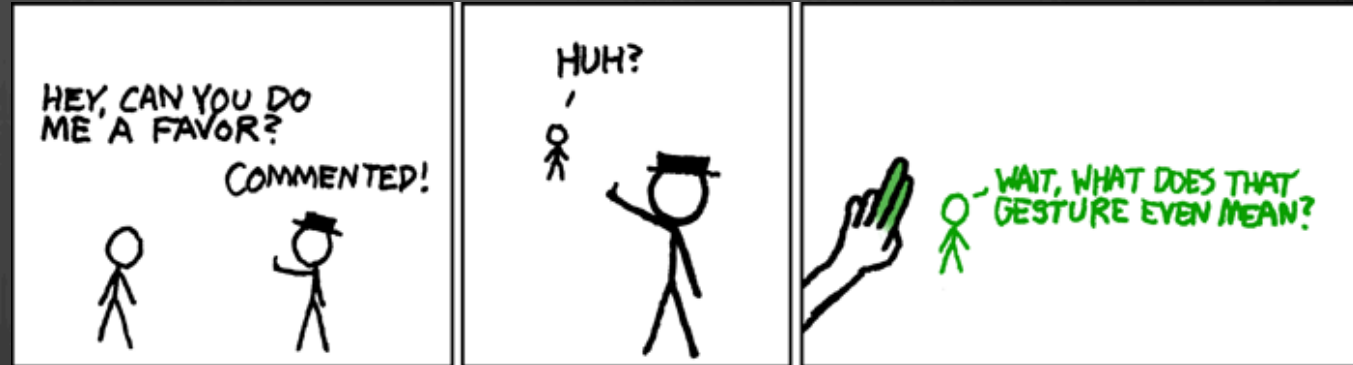
<http://www.bv0912.com/2009/12/few-more-operating-systems/>

9. Critically Analyze What You Read and Hear

Don't be swayed by vendors, media hype, or dogma. Analyze information in terms of you and your project.

Integrated Development Environment IDE

- ❶ Xcode
- ❷ Visual Studios
- ❸ Eclipse
- ❹ Netbeans
- ❺ JDeveloper
- ❻ MySQL Workbench;
Toad; SQL Server ...



“Your IDE’s color may vary.”

<http://xkcd.com/156/>

21. Use the Power of Command Shells

Use the shell when graphical user interfaces don't cut it.

Development Tools / Text Editors

- Terminal

- `bash`

- `csh`

- `zsh`

- Emacs

- Vim / **MVIM**

- `NerdTree`

- Nano / Pico

- **Notepad++**

- Notepad

- Wordpad



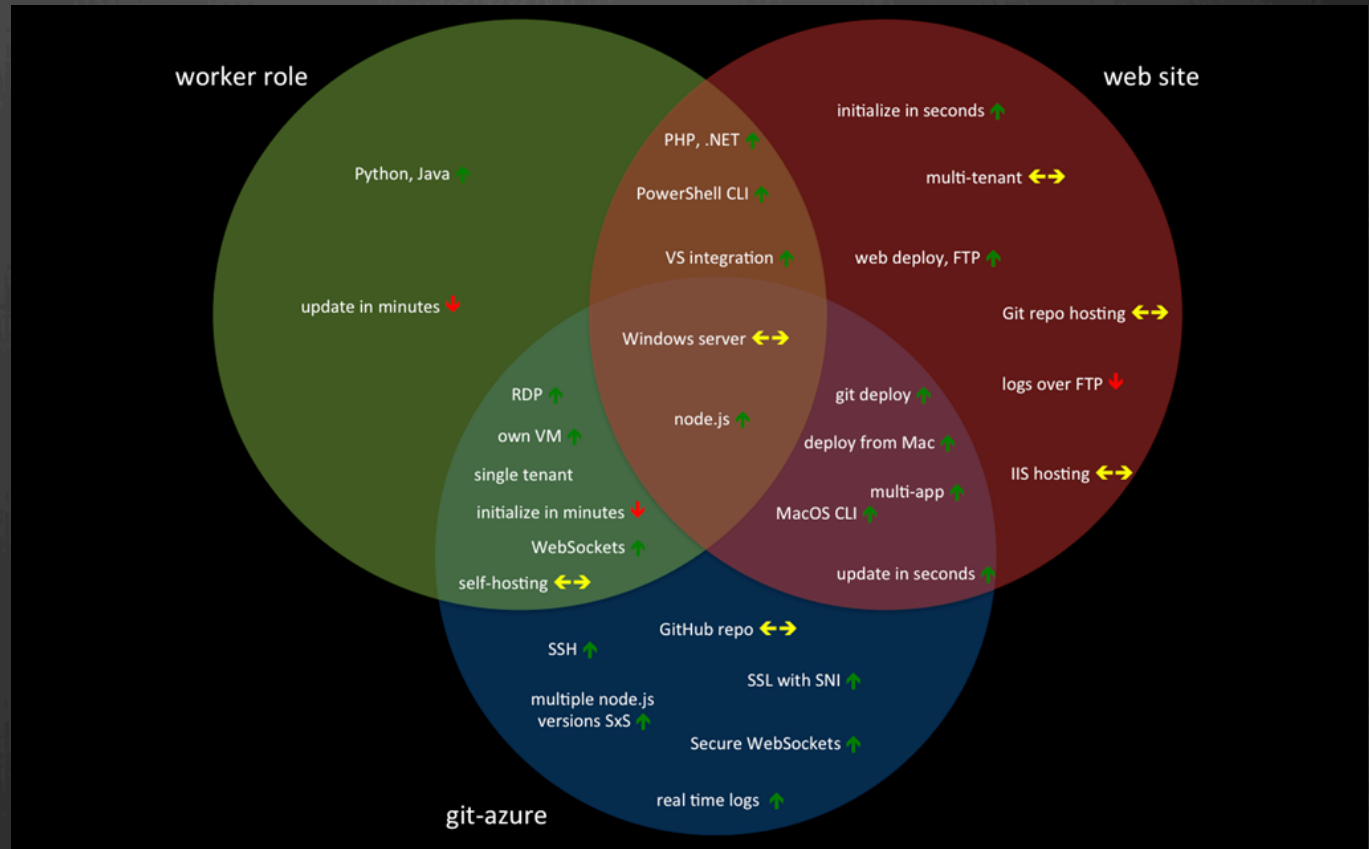
<http://www.howtogeek.com/howto/27604/ask-the-readers-which-text-editor-do-you-use-poll/>

22. Use a Single Editor Well

The editor should be an extension of your hand; make sure your editor is configurable, extensible, and programmable.

Building

- ⦿ IDE
- ⦿ Ant
- ⦿ Maven
- ⦿ CMake



<http://tomasz.janczuk.org/2012/06/three-ways-of-deploying-nodejs-apps-to.html>

7. Make Quality a Requirements Issue

Involve your users in determining the project's real quality requirements.

Package Managers

- ❶ Linux / Unix

- ❷ Yum
- ❸ Aptitude
- ❹ Portage
- ❺ up2date

- ❶ Mac

- ❷ Homebrew
- ❸ MaPorts

- ❶ “Real men [people] install from source” ~unknown



<http://blog.program-o.com/2012/06/the-program-o-v2-installation-guide/>

Required Packages

- ⦿ Apache
- ⦿ TomCat
- ⦿ *git*
- ⦿ Subversion (SVN)
- ⦿ MySql



<http://www.visionmobile.com/blog/2010/07/mobile-developer-economics-2010-the-migration-of-developer-mindshare/>

23. Always Use Source Code Control

Source code control is a time machine for your work you can go back.

Optional Packages

- ⦿ Synergy
- ⦿ Fortune
- ⦿ R
- ⦿ JavaScript
- ⦿ Python
- ⦿ Ruby
- ⦿ Rails
- ⦿ Solr

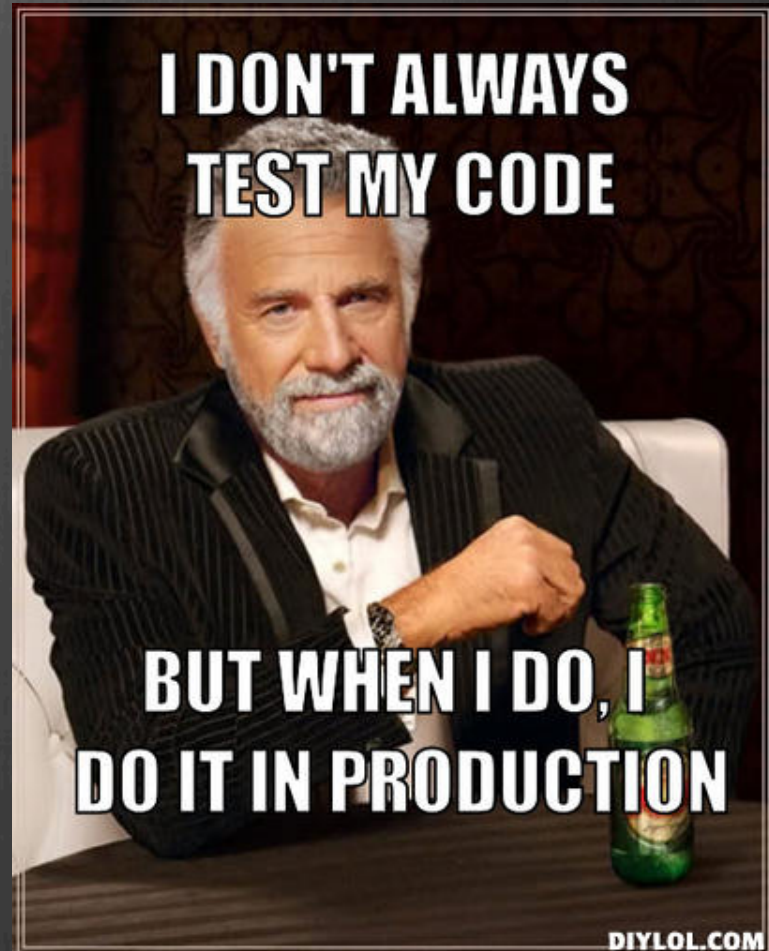


<http://technology-show.blogspot.com/2010/10/significance-of-computer-programming.html>

8. Invest Regularly in Your Knowledge Portfolio
Make learning a habit.

Testing Tools

- ❶ JIRA (Atlassian)
- ❷ Bugzilla
- ❸ OnTime (Axosoft)
- ❹ Selenium
- ❺ JUnit / NUnit
- ❻ Gerrit
- ❼ VMware



48. Design to Test

Start thinking about testing before you write a line of code.

Browsers

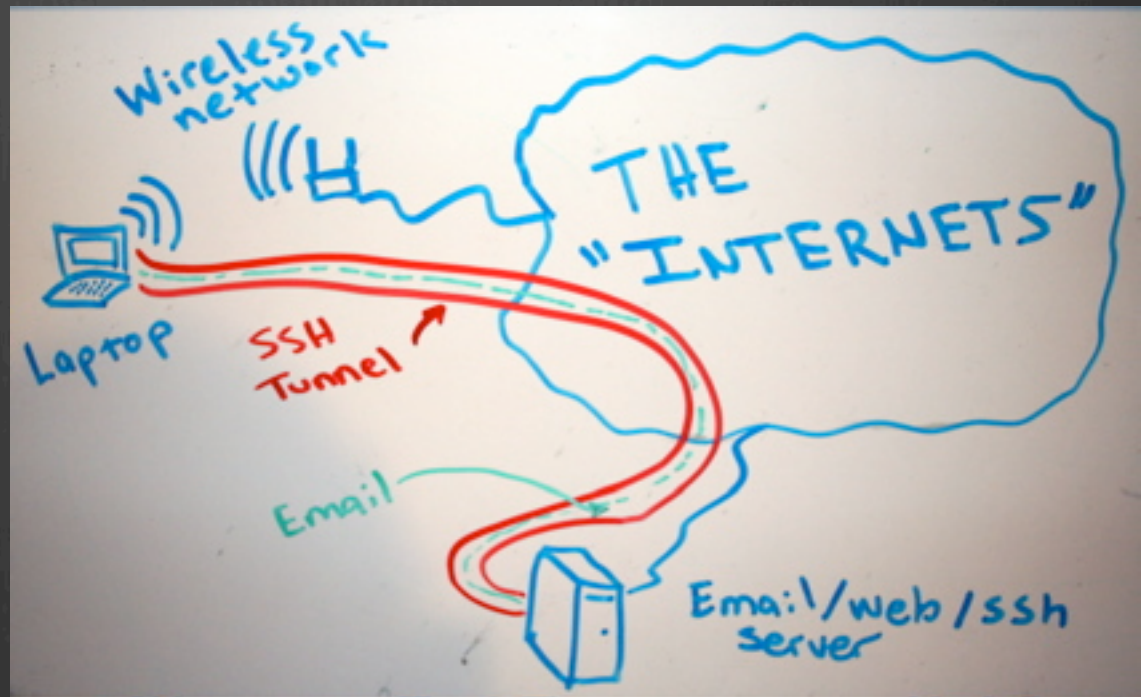
- ❶ Internet Explorer
- ❷ The World
- ❸ Opera
- ❹ Safari
- ❺ Firefox
 - ❶ Firebug
 - ❷ Selenium
- ❻ Netscape
- ❼ Tencent Traveler
- ❽ Maxthon
- ❾ Chrome



<http://www.browsers.org.uk/>

Connecting Remotely

- ❶ CISCO VPN
- ❷ VNC
- ❸ Putty
- ❹ Cygwin
- ❺ FileZilla
- ❻ WinSCP
- ❼ **Mosh** (ssh)



<http://www.engadget.com/2006/03/21/how-to-ssh-tunnels-for-secure-network-access/>

Social ...

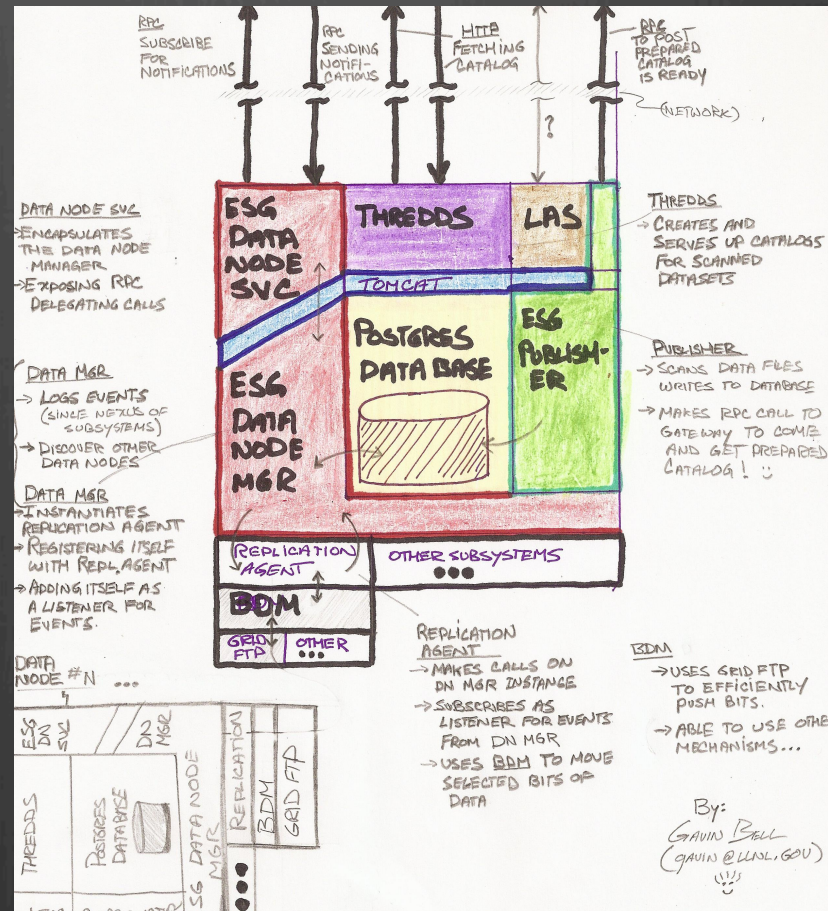
- ❶ Twitter
- ❷ Stack Over Flow
- ❸ Github
- ❹ LinkedIn
- ❺ Tumblr
- ❻ Instagram
- ❼ Personal Blog (Jeff Atwood | Scott Hanselman)
- ❽ Personal Brand (does it matter?)



<http://www.wizmarketings.com/social-media-marketing/>

LLNL Tools

- UV-CDAT
- Safeweb
- Labbook
- Bits and Bytes
- Newsline



Video Questions

- Ruby

- Undefined variable a assigned to a = ?

- JavaScript

- `[] + [] = ?`
- `[] + {} = ?`
- `{ } + [] = ?`
- `{ } + { } = ?`
- Batman...



Wat

@garybernhardt

⌘ Links

- ⌘ Video – <https://www.destroyallsoftware.com/talks/wat>
- ⌘ Blog – <http://www.codinghorror.com/blog/2004/10/a-pragmatic-quick-reference.html>
- ⌘ Windows - <http://windows.microsoft.com/en-US/windows/home>
- ⌘ Mac - <http://www.apple.com/osx/>
- ⌘ Unix - <http://www.unix.org/>
- ⌘ Linux - <http://www.linux.org/>
- ⌘ Xcode – <https://developer.apple.com/technologies/mac/> (app store)
- ⌘ Visual Studios - <http://www.microsoft.com/visualstudio/en-us>
- ⌘ Eclipse - <http://www.eclipse.org/>
- ⌘ NetBeans - <http://netbeans.org/>
- ⌘ JDeveloper - <http://www.oracle.com/technetwork/developer-tools/jdev/overview/index.html>
- ⌘ MySQL Workbench - <http://www.mysql.com/products/workbench/>
- ⌘ Terminal - <http://www.ltsp.org/>
- ⌘ Vim - <http://www.vim.org/>
- ⌘ Emacs - <http://www.gnu.org/software/emacs/>
- ⌘ Mvim - <http://code.google.com/p/macvim/>
- ⌘ NerdTree - <https://github.com/scrooloose/nerdtree>
- ⌘ JIRA - <http://www.atlassian.com/software/jira/overview>
- ⌘ Bugzilla - <http://www.bugzilla.org/>
- ⌘ Ontime - <http://www.ontimenow.com/>

⌘ Links Cont...

- ⌘ Selenium - <http://seleniumhq.org/>
- ⌘ JUnit - <http://www.junit.org/>
- ⌘ NUnit - <http://www.nunit.org/>
- ⌘ Gerrit - <http://code.google.com/p/gerrit/>
- ⌘ Vmware - <http://www.vmware.com/>
- ⌘ Internet Explorer - <http://windows.microsoft.com/en-us/internet-explorer/products/ie/home>
- ⌘ Safari - <http://www.apple.com/safari/>
- ⌘ FireFox - <http://www.mozilla.org/en-US/firefox/new/>
- ⌘ Chrome - <https://www.google.com/intl/en/chrome/browser/>
- ⌘ Yum - <http://yum.baseurl.org/>
- ⌘ Aptitude - <http://algebraicthink.net/~dburrows/projects/aptitude/doc/en/>
- ⌘ Portage - <http://en.gentoo-wiki.com/wiki/Portage>
- ⌘ Homebrew - <http://mxcl.github.com/homebrew/>
- ⌘ Macports - <http://www.macports.org/>
- ⌘ Apache - <http://www.apache.org/>
- ⌘ TomCat - <http://tomcat.apache.org/>
- ⌘ GIT - <http://git-scm.com/>
- ⌘ SVN - <http://subversion.tigris.org/>
- ⌘ MySQL - <http://www.mysql.com/>
- ⌘ Synergy - <http://synergy-foss.org/>
- ⌘ Fortune - <http://software.clapper.org/fortune/>

❁ Links Cont....

- ❁ R - <http://www.r-project.org/>
- ❁ Ruby - <http://www.ruby-lang.org/en/>
- ❁ JavaScript –
- ❁ Python - <http://www.python.org/>
- ❁ Bash - <http://www.gnu.org/software/bash/>
- ❁ Rails - <http://rubyonrails.org/>
- ❁ Solr - <http://lucene.apache.org/solr/>
- ❁ Ant - <http://ant.apache.org/>
- ❁ Maven - <http://maven.apache.org>
- ❁ Cmake - <http://www.cmake.org/>
- ❁ CISCO VPN - <http://www.cisco.com/en/US/products/sw/secursw/ps2308/index.html>
- ❁ REAL VNC - <http://www.realvnc.com/>
- ❁ Putty - <http://www.chiark.greenend.org.uk/~sgtatham/putty/>
- ❁ Cygwin - <http://www.cygwin.com/>
- ❁ FileZilla - <http://filezilla-project.org/>
- ❁ WinSCP - <http://winscp.net/eng/download.php>
- ❁ Mosh - <http://mosh.mit.edu/>
- ❁ Twitter - <https://twitter.com/>
- ❁ Tumblr - <https://www.tumblr.com/>
- ❁ Stack Over Flow - <http://stackoverflow.com/>
- ❁ Github - <https://github.com/>
- ❁ LinkedIn - <http://www.linkedin.com/>
- ❁ Jeff Atwood – <http://www.codinghorror.com/blog/>
- ❁ Scott Hanselman - <http://www.hanselman.com/blog/>
- ❁ Graphs - <http://www.techcoil.com/clivant/skillset.php>