Joshua Jackson

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Troubleshooting	I have essentially an undefeated record of solving computer problems. Windows or Linux. Hardware or software. Networked or offline. I cannot recall any time where I have failed to solve any computer problem.
Scripting and Automation	I can automate any recurring or repetitive task. I have particular experience writing web bots and web scrapers. I can use scripts and web applications to connect different types and sources of data including: spreadsheets, serial devices, images, databases, websites, phones, medical and scientific devices, text files, data files from statistical software, and embedded devices.
Linux/Unix Systems and Networks	I am an expert among experts when it comes to Unix and Linux systems - I am the person you call when your regular system adminstrator is in over their head. I can setup, fix, debug, document, or improve virtually any Linux or Unix network. I can revamp a network to improve its reliability, maintainability, or performance. I can create custom Linux systems and automated installs for embedded devices, network appliances, cloud applications, or any other purpose. I can replace your Windows servers with Linux servers.
Web Applications	I am extremely capable with web applications. I am not a graphic designer and am not necessarily who you want for a public facing website; I create custom software that businesses use internally such as timeclock systems, project or task management, or database applications. Among other things I can take anything which someone might put into a spreadsheet and create a better solution in the form of a multi-user application that can be accessed over the web.
Mobile Applications	I can write software for phones and tablets, especially Android but other platforms are possible.
Microcontrollers	I can write software to run on microcontrollers and interface with microcontrollers to perform novel tasks with hardware connected via electronics.
Storage and Data Integrity	I have expertise in tools for data integrity including hardware and sofware RAID (RAID-1, RAID-5, RAID-6, RAID-10) as well as filesystem and application level parity tools. I have particular interest and expertise in backups. Backups must be automated and monitored or you don't have backups. Backups should also be remote and encrypted. I can make this happen. I have experience with large scale storage systems and techniques for managing large filesystems.
Computer Security	I have extensive experience with whole disk encryption. I can recommend solutions for secure communications and storage.
High Performance Computing	I can design, install, configure, and repair clusters and other HPC systems. I can perform installations and maintenance on many systems in parallel and setup systems and procedures to enable others to do the same.

Computer Skills	Programming Languages:	C, C++, C# / Mono, Perl, Python, **PHP**, Ruby, BASIC, Pascal, MATLAB, Java, Processing, Awk, Lua, Tcl, Logo, Javascript, **Shell scripts**, x86 assembly, R
	Other Languages:	CSS, SQL, **Regular Expresions**, CSS, HTML, LaTeX, XPath, XML, JSON, YAML
	Network Servers and Protocols:	Samba, Apache, Lighttpd, FTP, NTP, Qmail, DHCP, TFTP, **SSH**, Kerberos, NNTP, LDAP, **rsync**, IMAP, POP3, SMTP, rWhois, NFS, iSCSI
	Software:	cPanel / WHM, SeisUP, ThinAnywhere, rpm, evolution, thunderbird, RT, systemimager, wine, crossover, mplayer, OSCAR, nmap, wireshark, nagios, X11, X.Org, DOS, tor, bittorrent, gimp, console emulation, screen, gnome, KDE, XFCE, enlightenment
	Virtualization:	VMware, Parallels, Xen, VirtualBox, KVM, libvirt
	Unix Operating Systems:	**Linux**, **IRIX**, Solaris, OS X, AIX, FreeBSD, NextSTEP
	Linux Distributions:	Ubuntu, Debian, Red Hat, Fedora, SuSE, Centos, Slackware, Mandriva, Mint, Gentoo
	Hardware:	PC Hardware, SGI Origin, X10, NAS, Printers, Projectors, Microcontrollers, Blade Servers, Tape Drives, Arduino
	Relational Databases:	MySQL, Postgresql, SQLite
	Networking:	TCP/IP, NAT, Firewalls, VPN, Routers, Switches, WiFi, Fibre Channel, SAN
	Industry Experience:	Oil & Gas, **Web Hosting**, Academia
	Tools:	Clusters, High Performance Computing, Virtual Machines, Remote Access, Backups, Cloud, Amazon EC2, Amazon S3