

Nicklas R. Peelman

1201 Darci's Drive, Seymour, Indiana 47274
nick@peelman.us | <http://peelman.us> | 812-584-1177

Profile

Motivated and passionate about technology, I bring a wide range of knowledge and experience to whatever opportunity presents itself. I have experience in network engineering, systems administration, application design and development, website design and administration, digital communications, and user support. I crave variety in my work and thrive on the ever-changing ecosystem that Information Technology creates.

Experience

Developer / Software Engineer

October 2010 - December 2011

Stoneware, Inc, *Carmel, Indiana*

- Focused primarily on the webRDP product, extending functionality by utilizing more of Microsoft's RDP specification
- Implemented the foundation for adding Channels, as well as the basics for the clipboard channel
- Isolated and engineered fixes to countless bug reports submitted by users internal and external to our team
- Developed primarily in Java, but used other languages (including C, C#, Objective-C, and others) as needed in order to build test cases and proofs of concept

Systems Administrator

January 2009 - October 2010

ITaP - Purdue University, *West Lafayette, Indiana*

- Developed, directed, and made modifications to installations of programs and software for Purdue's Learning Spaces computing environment
- Coordinated software and hardware installation, maintenance, and support; identified and reported issues to software vendors
- Created and assisted others in the creation of software "packages" for workstation deployment in the computing labs using Microsoft's App-V and SCCM, as well as other tools
- Designed, developed, tested, modified, and documented programs and utilities on desktop computers and terminal servers; included creating scripts and programming using using Batch, Powershell, C#, Ruby, Perl, and others

Teaching Assistant

August 2008 - December 2008

College of Technology - Purdue University, *West Lafayette, Indiana*

- Proctored and facilitated course labs for the network engineering program, focusing on systems administration and enterprise network management
- Encouraged and maintained a productive learning environment
- Assembled and configured a simulated large-scale enterprise network for student use
- Maintained 4 classroom lab facilities, totaling 72 workstations, approximately 30 virtual machines, 9 HP ProCurve switches, and 7 physical servers

Network Software Technician

June 2008 - August 2008

ITaP - Purdue University, *West Lafayette, Indiana*

- Tested new software deployment mechanism being deployed campus-wide (SCCM)
- Troubleshoot deployment, software, and hardware problems on over 2000 Windows machines and approximately 100 Macs
- Scripted custom components for Mac OS X lab deployment using Bash and Perl

Web Application Programmer

May 2008 - June 2008

Enhanced Telecommunications Corporation, *Indianapolis, Indiana*

- Enhanced and Refined existing Accounts database system I co-designed and implemented in the summer of 2007
- Job was short-lived due to rising fuel costs and an extended commute

Lab Coordinator - Cyber Forensics Lab

January 2008 - April 2008

College of Technology - Purdue University, *West Lafayette, Indiana*

- Managed operating systems and applications on 20 clients and 2 servers
- Built an inventory and checkout system based on a web-based, open source asset management project; used barcodes to track and organize items
- Implemented and populated a documentation wiki to capture institutional knowledge
- Co-designed and lectured for an Apple-specific computer forensics course for local, state, and federal law enforcement officers

Apple Support Specialist

August 2006 - December 2007

Agriculture Communications - Purdue University, *West Lafayette, Indiana*

- Maintained operating systems and applications on approximately 50 Apple Mac systems, including iMacs, Mac Minis, PowerMacs, Mac Pros, Powerbooks, iBooks, Macbooks, Macbook Pros
- Used Apple Remote Desktop to automate tasks and support users and used Apple's package format to repackage software for deployment via Apple Remote Desktop
- Implemented Single Sign On backed by Purdue's OnePurdue Active Directory system
- Implemented OS X Server as a local software update repository, MCX, file, and web server

Web Application Programmer (Internship)

May 2007 - August 2007

Enhanced Telecommunications Corporation, *Batesville, Indiana*

- Co-designed and was the lead programmer for a ground-up redesign of an existing accounts database
- Intranet web application; 10,000+ lines of code; 30,000 records (at implementation time) across 62 tables
- Made extensive use of open source technologies (PHP, MySQL and AJAX (including the Prototype and Scriptaculous Frameworks))

Technical Skills

- Apple OS X Client/Server Platforms
- Linux / Unix Client/Server Platforms
- Windows Client/Server Platforms
- Systems Analysis & Design
- Systems Administration
- Network Administration
- Network Engineering
- Network Security
- Computer Forensics
- Malware Analysis
- Troubleshooting
- Cat 5/5e/6, single- & multi-mode fiber optic cabling
- TCP/IP Communications, IPv4, IPv6, Ethernet
- Wide & Local Area Networking (WAN/LAN)
- Wireless Networking (WLAN, 802.11 a/b/g/n)
- Digital & Analog Telephony (VoIP, POTS)
- Familiar Protocols: SMTP, DNS, DHCP, SIP, SNMP, HTTP, HTTPS, FTP, SFTP, RTSP, SMB, CIFS
- Web Development: HTML, CSS, AJAX, PHP, JSP, MySQL, Java, Ruby, ColdFusion
- Mac Development: Objective-C, C, XML, Xcode, Interface Builder
- Windows Development: Visual Studio, C#, .NET
- Shell Scripting: Batch, PowerShell, Bash, Perl, Python
- Version Control: Subversion, Git, Mercurial
- Issue Tracking: Trac, Redmine, Chili Project, Bugzilla
- Microsoft Windows: Windows XP, Windows 7, Windows Server 2003, Windows Server 2008
- Windows Management: App-V, SCCM, IIS, MSDNS, MSSQL, Active Directory, Exchange
- Linux Distributions: Red Hat Enterprise Linux, Solaris, Debian, Ubuntu
- UNIX Packages: Apache, Asterisk, BIND, Lighttpd, MySQL, Subversion
- Network Monitoring & Analysis: Cacti, MRTG, Nmap, Snort, Squid, Wireshark
- Cisco (IOS), HP ProCurve, AdTran
- VMWare Server v1 & v2, ESX, ESXi, Fusion v1, v2, v3, v4
- Microsoft Office 2003 2004 2007 2008, 2010, 2011
- Symantec Ghost, Prism Deploy

Open Source

CoRD Project, Freelance Development

March 2009 - Present

- Resurrected the project which was near abandonment
 - Implemented dozens of new features and configuration settings
 - Drove development through a major release cycle and three minor cycles
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Education

B.S. Network Engineering Technology

2002-2007, Purdue University

- Minor: History of Science and Technology
 - GPA: 3.19 (4.00 scale)
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Conferences

- Apple - Worldwide Developers Conference (WWDC) - 2006
 - LabMan Conference - 2009
 - Microsoft - Microsoft Management Summit (MMS) - 2009
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Memberships

- Federal Bureau of Investigation's InfraGard Association - 2008-Present
- Purdue's Malware Research Team - 2008-2010