

A skilled and experienced programmer that specializes in advanced algorithms and data handling with emphasis on efficiency and modularization. Experience within the development environment has led to a greater understanding of the development process, team organization and working with others.

Summary of Qualifications

- Expertise in object oriented programming and modular code and how to properly incorporate it in to appropriate projects.
- Extensive experience with LAMP software bundle (Linux, Apache, MySQL, PHP).
- Created PHP extension modules in C to improve performance in PHP projects that incorporate heavy calculation.
- Experience in creating and designing advanced database structures to increase efficiency and interoperability with other modules.

Technical Expertise

Network+ Certified

Languages	C, C++, C#, Java, Javascript, HTML, CSS, PHP, Ruby, ASM, Perl, Erlang, HLSL, GLSL
Frameworks	Java, .NET, ROR, SDL, OpenGL, DirectX, JQuery, LAMP
Protocols	DNS, DHCP, ARP, LDAP, POP3, SMTP, IP, WINS, SMB, FTP, HTTP, SSH, IPsec, SSL
Concepts	IP routing, network architecture, project management, OOA/OOD, multi-threading, server administration, network administration, VLAN, thin client (Terminal Services), programming for mobile devices, PHP extensions, database design, OSI model, game engine design, game design
Software	Apache, MySQL, smb, proftpd, postfix, SASL, PHP, VMWare, Active Directory, bacula, Zend, Visual Studio, KDevelop, Eclipse, Word, Excel, PowerPoint, SQLyog, OpenOffice, GIMP, CVS, GIT, SVN, GroupWise
System	Windows (95,98,98SE,NT,XP), Windows Server (2000,2003,2008), Linux (Ubuntu,Fedora,SUSE,Debian), FreeBSD, Windows Mobile, Android
Hardware	PC, RAID, managed switches, CISCO routers, Dell servers, HP servers

Professional Experience

Housing & Dining, Northern Illinois University, DeKalb, IL

2006 - Present

Senior Software Developer

Develop and maintain custom software and our in-house intranet that is used to manage large areas of Housing and Dining including the Helpdesk and Property Control. The intranet includes the ability to manage inventory, rentals, trouble tickets, scheduling, time clock, lab security, key management, dynamic form/survey development and data collection, internal statistics, email lists, tasks and administrative controls.

- Manage development and live servers for the intranet.
- Wrote inventory software for the intranet which included a PHP administration side and a Windows Mobile client scanner and job manager.
- Wrote a heavily AJAX based scheduling and timeclock system that is a crucial element to operation of Housing & Dining.
- Wrote a web based version control system that used SMB and SSH to automatically manage and log code revision.
- Set up a user based development environment that allows the team to develop concurrently without interfering in each others work.

Marengo Public Library District, Marengo, IL

2004 - 2007

Network Administration

Design, implement and manage internal networks, web site and custom software.

- Plan for new server implementation, backup schemes, public computer configuration, disaster plan, WiFi and public database.
- Customized our public card catalog as well as created many scripts and management utilities that played a large part in securing the public computers to prevent any sensitive data from being accessed.
- Oversaw an assistant that aided in troubleshooting and provided technical assistance to staff.

- Created and oversaw security models through Active Directory and Group Policy.
- Delivered lectures to staff about proper computer and software usage as well as provide them with written documentation and procedures.
- Created and managed a fully featured website with CMS back end.

Housing & Dining, Northern Illinois University, DeKalb, IL
Helpdesk Technician

2008

Support students and staff with technical issues ranging from software to hardware problems.

- Provide phone support for students and staff, generally regarding NIU's Room Management System or Cisco Clean Access.
- Create trouble tickets for issues that needed external attention.
- On-site troubleshooting as well as off site computer diagnosis and repair.

Freelance Network Consultant and Freelance Programmer

2007 - Present

Work as an IT contractor and contract programmer for several clients. Experience in maintaining client relations and keeping open lines of communication. Expertise in understanding business models and how to make technology work the best for them.

- Communicating with clients to understand the problem and then providing a reasonable solution with an explanation of why it is the best option.
- Generate quotes for a proposed project.
- Implement new hardware as well as work with existing infrastructure.
- Troubleshoot all types of hardware from printers to surface mount industrial equipment.
- Software 'hacks' as well as complete original software.

Education

McHenry County College 2005-2006
Credits in general education.

Northern Illinois University 2006-2008
Credits in math, computer science and business.

Kishwaukee College 2008-Present
Credits in business and general education.
Completing A.S. degree.

Portfolio

www.colingodsey.com