

# JONATHAN R. BARNHARDT

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## SUMMARY

I have more than 8 years experience in application development and computer programming and over 10 years in computer operation, administration, and setup experience. I have held positions such as network administrator, lead programmer, application developer, web programmer, web architect, computer technician, and business manager/owner. I have started two successful computer repair, website hosting and design companies of which one I still own and manage. I am proficient in many Operating Systems including Windows, Macintosh, and Linux and pride myself in being cutting edge in everything I do.

**CORE COMPETENCIES:** Network & Systems Security; Windows and Linux Server Administration, Database Administration, Business Impact Analysis; Virus Protection & Prevention; Data Integrity/Recovery; Disaster Recovery Planning; Contingency Planning; Research & Development; Risk Assessment; Cost Benefits Analysis

**Platforms:** Microsoft Windows 95 – Windows 7, Linux (Red Hat, Fedora, Knoppix, FreeBSD, Debian, OpenSUSE, SUSE, Ubuntu), Sun SPARC, Mac OS 7 - OS X, UNIX, Solaris, pfSense, Checkpoint, Cisco IOS.

**Networking:** TCP/IP, SMS, Ethernet, VPN, RAS, AppleTalk.

**Languages:** Visual Basic, ASP, ASP.NET, HTML, Javascript, ADO, XML, RSS, ADSI, dll and COM object programming, VBScript, C#, C++, Perl, DHTML, PHP, Java, AJAX.

**Tools:** Norton Firewall and Ghost, McAfee/Norton Virus Protection Utilities, Microsoft Office System (including Microsoft Word, Microsoft Excel, Microsoft PowerPoint®, Microsoft Access, and Microsoft Outlook®), Microsoft Project, and Microsoft FrontPage®, Macromedia Suite, Adobe Suite, DotNetNuke, Sharepoint Services, Nessus, VMWare, Virtual Box, Microsoft Virtual PC, Xen.

**Databases:** MS-SQL, MySQL, Oracle, Access, FileMaker, SQL Anywhere, Postgre SQL.

**Server Admin:** IIS, Windows and Linux DNS, Windows and Linux DHCP, Microsoft Exchange Server, Microsoft Active Directory, Sharepoint Server, Windows Update Server (WSUS), QuickTime Streaming Server, Real Player Streaming Server, LDAP, BIND, SendMail, Postfix, Zimbra Collaboration Suite, Apache, Tomcat, ProFTPD, VSFTPD, Squid, Spam-Assassin, Dovecot, RAS, VPN, DB Administration.

## PROFESSIONAL EXPERIENCE

MDU Resources, Bismarck, North Dakota

2006 – Present

### Sr. IT Security Administrator

#### Key Contributions:

- Negotiated and led the installation of website content filter.
- Installed and implemented corporate IM solution utilizing open source software.
- Evaluated and negotiated contract with vendor for security awareness training.
- Established methods and procedures for perimeter scanning to alleviate third party contracts.

- Created and implemented many alerting systems to identify and summarize the state of the network.
- Implemented documentation knowledge base for archival of log data and alerts.

MDU Resources, Bismarck, North Dakota

2005 – 2006

**Web Architect**

*Key Contributions:*

- Oversee, develop and maintain enterprise web applications.
- Actively participate in developing the architecture and programming standards for web-based applications including coding, testing, debugging, and documentation.
- Analyze, evaluate and recommend new technology applications for web and multimedia projects
- Perform technical support and administrative duties to ensure data security and efficient delivery of data

MDU Resources, Bismarck, North Dakota

2003 – 2005

**Web Programmer**

*Key Contributions:*

- Created Time Management software to compute and collect time allocation reports which earned Corporate Wide recognition and company Einstein Award in 2004.
- Create and control content on the corporate intranet site as well as approve updates to every internally hosted internet site within the corporation.
- Organized programmers from each operating unit to work together in enterprise wide applications.

INTERNET WONDERS, Bismarck, North Dakota

2000 – Present

**Owner / Manager**

*Key Contributions:*

- Administer Windows, FreeBSD, Red Hat, OpenSUSE, Ubuntu, and Debian application and database servers.
- Develop and test new backup solutions, network area storage (NAS) solutions, website log analyzers, and bandwidth utilization monitors.
- Maintain one of the largest online data backup services in the area.
- Develop e-Commerce websites.
- Responsible for network vulnerabilities and Internet security.
- Responsible for data backup and recovery.
- Research current security and operating system patches and install accordingly.
- Develop new marketing ideas and advertisement medium.
- Maintain financial records and balances for company.

INTERNET DESIGN AND CONSULTING, Bismarck, North Dakota

2002 – 2003

**Lead Application Developer and Network Administrator / Partner**

*Key Contributions:*

- Design and development of database driven websites, managed and maintained intranet and internet environments, and administered Windows and Red Hat servers.
- Develop and test new dll and COM objects, backup solutions, network area storage (NAS) solutions, website log analyzers, and bandwidth utilization monitors.
- Develop e-Commerce websites.
- Responsible for network vulnerabilities and Internet security.
- Research current security and operating system patches and install accordingly.
- Develop new marketing ideas and advertisement medium.
- Maintain financial records and balances for company.

BISMARCK PUBLIC SCHOOLS SYSTEM, Bismarck, North Dakota

2001 – 2003

**Support Technician and Computer Programmer**

*Key Contributions:*

- Developed and implemented online inventory system for computer equipment tracking.
- Developed and integrated remote management of Microsoft Exchange Server and Microsoft Active Directory utilizing ADSI programming.
- Created online technical request center to automatically assign technicians and issue numbers to events and log progress and update users accordingly.
- Maintained multiple Macintosh and Windows computer labs through the use of Symantec Ghost, Carbon Copy Cloner, NetOp, and Remote Desktop.
- Completed Ethernet Cat5 and Cat5e, cable, phone, and fiber optic installation.
- Developed Macintosh Network Area Storage solutions for elementary schools utilizing Jaguar Server and Workgroup Management programs through the use of LDAP.
- Performed hardware support and installation for Windows and Macintosh computers.
- Set up and maintained wireless networks.

SYKES, Bismarck, North Dakota

2000 – 2001

**Customer Support Specialist**

*Key Contributions:*

- Provided technical support to customers of the Microsoft Office Suite specializing in Microsoft Office install and Microsoft Excel.
- Created advanced Microsoft Excel formulas and macros utilizing Visual Basic.
- Led my team with the lowest call times combined with the highest satisfaction ratings.
- Partnered in development of team applications such as Tech Express, the intranet website, and automatic email software.

**EDUCATION AND CREDENTIALS**

- Currently obtaining Management in Information Technology, Minot State University, Minot, ND
- Computer Information Systems, North Dakota State College of Science, Wahpeton, ND
- Member of many Open Source Communities in support of development and feature management of new and emerging technologies.