

# Jeffrey F. Blank

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Objective	Employment in a network system administration, database programming, or UNIX system programming position
Education	Attended Michigan Technological University, Houghton, MI Received Bachelor of Science in Computer Science Graduated August, 1997
Employment experience	<p>Michigan Technological University Network Administrator, Telecommunications, May 1997-present Responsibilities:</p> <ul style="list-style-type: none"><li>• Development and maintenance of automated (database-driven) and web-based network-management and service-management tools</li><li>• Diagnosis and resolution of network trouble</li><li>• Campus network design and problem-solving with other Telecommunications Engineering staff</li><li>• Acquisition, installation, configuration, management, and maintenance of network devices such as routers, ATM switches, ethernet switches, and servers</li><li>• UNIX system administration on campus-level and department servers</li><li>• Administration of WWW, DNS, PostgreSQL, RADIUS, and alphanumeric paging services on campus-level and department servers</li></ul> <p>Wavelength Interactive Communications, LLC Partner / Sr. Technical Architect, April 2006-present Responsibilities:</p> <ul style="list-style-type: none"><li>• Operating system and server software installation and maintenance to meet company and client needs, including WWW, DNS, e-mail, and database services</li><li>• Development of web-based applications for internal business processes and for use by clients</li><li>• Management of Internet domain-name registrations on behalf of clients</li></ul> <p>Michigan Technological University Student Programmer, IT-Telecommunications, April 1995-May 1997 Responsibilities:</p> <ul style="list-style-type: none"><li>• Installation, configuration, and maintenance of network applications and services including DNS software, Kerberos client and server applications, e-mail clients, and WWW browsers</li><li>• Acquisition, installation, configuration, and maintenance of network devices such as modems and terminal servers and terminal server operating software</li><li>• UNIX system administration and system programming</li><li>• Limited installation, configuration, management, and maintenance of network devices and network device operating software</li></ul>

Knowledge, skills, and technology experience

- 16 years of experience with networking protocols such as TCP, UDP, and IP and of application-layer protocols such as HTTP, SMTP, and DNS
- 15 years of extensive experience with IP routing and routing/bridging/switching devices in both hardware and software aspects
- 10 years of experience with Juniper routers and switches (JunOS)
- 8 years of past experience with Foundry/Brocade switches
- 16 years of experience in UNIX system administration, including six years (past) with SunOS 4.1.2-4.1.4, nine years (past) with SunOS 5.4-5.9 (Solaris 2.4-9), and 9 years (current) with FreeBSD 4.7-8.2
- 16 years of experience with UNIX shell scripting (Bourne, Korn, and Z shells)
- 12 years of experience in PERL scripting
- 9 years of experience with PHP
- 14 years of experience with Oracle SQL\*Plus
- 9 years of experience with Oracle PL/SQL
- 8 years of basic experience administering and programming PostgreSQL relational database
- 12 years of formal experience with HTML and HTML standards (16 years including informal on- and off-the-job experience)
- 10 to 15 years of experience with other software such as Apache HTTPd, BIND (DNS), ISC DHCPd, Postfix, AMANDA backup software, and various implementations of secure shell
- 10 years of past experience with Sun SparcStation and UltraSparc hardware
- 10 years of past experience programming in C
- 4 years of past experience with Squid caching proxy
- 3 years of past experience with commercial, SNMP-based network management applications

Recent courses

- SANS Web Application Security Workshop (SEC519), Dec. 2007
- Juniper/iPath Configuring Juniper Networks Routers, Apr. 2008
- SANS Virtualization Security Fundamentals (SEC577), Jan. 2010
- SANS IPv6 Essentials (SEC546), Apr. 2011

References

Available upon request