

Hubert Ralph Bonnell

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Professional Objective

Seeking a career in **Internet Security, Open Source programming, and Linux/Unix administration.**

Pleasant, friendly, people-oriented person with excellent customer relation skills. Energetic and a team player, able to adapt to a changing environment and workload. Self-motivated, can work well with little or no supervision. Possesses strong abilities with isolating and troubleshooting obscure hardware and software problems.

Programming Skills

PHP, HTML, Perl, SQL (MySQL, PostgreSQL, MSSQL, and Oracle), BASH Scripting.

Software Skills

Expert: Check Point FireWall-1, Provider-1, Secure Platform, Juniper, f5, Stonesoft StoneBeat and StoneGate, Sygate, Blue Coat, NAI Sniffer, Ethereal, Airespace, BigFix, Nokia One (NAM), eSafe Mail, SurfControl Web / Email, Tumbleweed Mail, Secure Computing, Ciphertrust IronMail, IPSO, FreeBSD, Linux (Ubuntu, SuSe, RedHat, Slackware, Debian, LFS), Mac OSX 10.x, Windows 2000, XP, Solaris 7-10, RealSecure IDS, Snort IDS, SecoShield IDS, OpenLDAP, StoneBeat FullCluster, Amiga OS 2.x-3.x, Exchange 5.5 and 2000, Postfix, Sendmail, Apache, Horde / IMP, KDE, RSA Ace Server, Linux firewalling (ipchains, iptables, Netfilter).

Strong: AIX, HP-UX, Novell Netware 2.x-4.x, Novell Groupwise, Cisco IOS.

Employment History**Network Security Consultant**

FishNet Security / SiegeWorks

June 2005–Present

Design and deploy internet security solutions. Experience teaching various security classes. Direct experience with security products from over 50 vendors.

Network Security Consultant

Accuvant

October 2003–March 2005

Design and deploy internet security solutions. Experience teaching NetScreen, RSA, Ciphertrust, and Check Point classes. Direct experience with NetScreen, BigFix, Blue Coat, Airespace, NAI Sniffer, Check Point, Trend Micro, WebSense, and Network Intelligence products.

Projects:

- Linux Application Development: Developed custom, web based front end for Linux based IDS. Also wrote a custom MRTG based reporting engine with a RRDTool summary graph. Written in PHP Programming Language.
- Windows NMap Scanner Application Development: Developed custom, web based front end for NMap scanner on the Windows platform. Written in PHP Programming Language.
- Intranet: Developed internal website used for communication between employees and publishing internal engineering documents. Used LAMP platform (Linux, Apache, MySQL, and PHP).
- Sygate Courseware Development: Assisted the Sygate professional services team with development of courseware for version 4.0 of the Sygate Secure Enterprise training course, EnforceU.
- Network Administrator: Administrate internal Windows and Linux based network.

Owner

LinuxFriendly

November 1998–Present

Part time consulting business. Advocate, instruct, install, and configure open source solutions.

Achievements:

- *Home Quality Management* - Installed and configured email solution based on Linux and Postfix mail software. Configured Horde web mail system with on-line calendaring and messaging. Configured OpenLDAP for use as a company wide address book. Assisted configuration of Netscape, Mozilla, and Microsoft Outlook client software. Provide on-going support.
- *Insurance Kingdom* - Built, installed, and configured 8 node network at location in West Palm Beach, Florida. Built, installed, and configured 4 node network at location in Palm Beach Gardens, Florida. Setup Linux based servers using Samba (Windows file sharing). Configured Virtual Private Network (VPN) between 2 sites using FreeS/WAN software. Provide on-going support.
- *Palm Beach Insurance* - Built, installed, and configured Linux based server running Samba (Windows file sharing). Installed wireless networking throughout company. Provide on-going support.
- *M R Imaging Service, Inc.* - Assisted with various issues on Windows workstations. Ran cabling through MRI facility.
- *Assistant Online* - Provided web site and email hosting.
- *CAMtech* - Configured server and workstations. Setup networking.
- *International Chemical Technologies, Inc.* - Provided technical support and general network assistance.
- *All Around Books and Records* - Built network including server, workstations, and networking.

Senior Internet Security Engineer / Instructor

Mission Critical Systems

September 1999–October 2003

Install, troubleshoot, and upgrade various security products for many Fortune 500 companies. Experience troubleshooting network issues and implementing complete security solutions. Maintain High Availability and Clustered firewall environments for customers using StoneBeat FullCluster, Check Point High Availability, and Nokia VRRP. Provide on-going support.

Projects:

- **Linux Application Development:** Developed custom, web based front end for Linux based Check Point firewalls. Written in Perl Programming Language.
- **Check Point Software:** Assisted *Check Point* development in Israel with Linux network driver support for the Secure Platform distribution by contributing and testing D-Link DFE-580TX drivers for the NG-AI platform release.
- **Intranet:** Developed internal website used for communication between employees and publishing internal engineering documents. Used LAMP platform (Linux, Apache, MySQL, and PHP).
- **Network Administrator:** Administrate internal Windows and Linux based network.

Achievements:

- *Instruction* - Teach CCSA, CCSE, and CCSE+ classes on a monthly basis. Assisted over 40 students toward certification.

MIS network engineer

City Of Palm Beach Gardens

March 1999–September 1999

Assistant MIS director. In charge of all computer systems and networking in the city government, including Police Department, City Hall, Fire Department, Parks/Recreation, Public Works, and Planning/Zoning. Troubleshot problems with printing protocols. Configured and installed Windows NT based servers and workstations.

Projects:

- **Dial-up Wide Area Network:** Replaced Windows NT based RAS server used for all WAN traffic with Linux based routers for greater reliability. Configured Dial-on-Demand and PPP routing.
- **Wireless Wide Area Network:** Developed plans for high speed wireless networking between WAN sites using point-to-point directional antennas and an omni directional antenna on City Hall.

Senior Engineer

Commerce Technology Inc.

1997–March 1999

Helped run computer business. Retail and Wholesale Sales. Assisted building PCs. Created web site and built web farm. Went on-site to troubleshoot networks and run computer network cabling.

Projects:

- **PBX Administration:** Cabled and configured phone system throughout company. 30 extensions with Voice Mail.

Achievements:

- *Tequesta Country Club* - Cabled 20 network drops using CAT-5 cabling. Built, installed, and configured Novell file server.
- *Palm Beach Recycling Facility* - Cabled 50 networks drops using CAT-5 cabling. Built, installed, and configured Novell file server and Oracle database software. Configured Linux based router to separate network segments.

- *Florida Power and Light* - Developed and implemented Linux based touch screen Kiosk for educational department. Multimedia system used MPEG-2 based video converted from laserdisk media.
- *Waterford* - Cabled 10 network drops. Configured Novell file server. Helped troubleshoot issues with Microsoft DOS based network printing.
- *Smiling Jacks Marina* - Built and installed 10 node network. Setup network of Windows NT workstations.
- *Palm Beach Lincoln Mercury* - Built and configures Novell file server. Built and installed computer workstations.

Co-owner

Cyberwolf Computers

1997–1997

Started company with two partners. Worked on computers brought in for service. Supported users with telephone technical support.

Achievements:

- *Cyberwolf Online* - Built and maintained 32 line Bulletin Board Service. Setup Galacticomm WorldGroup server on a Windows NT server. Setup a DOS based MajorBBS system to serve online gaming to BBS users. Designed a custom Win32 based interface for users which allowed TCP/IP bridging for internet access.

Hardware Technician

Computer Station

1995–1997

Worked on computers brought in for service. Troubleshooting OS issues as well as hardware issues. Worked on as many as 15 PCs per day. Built new PCs. Assisted customers with migration from Windows 3.x to Windows 95.

Achievements:

- *Software* - Mastered Novell server troubleshooting, Windows 9x Registry, IBM OS/2 configuration, Microsoft DOS and Windows 3.11 INI configuration.
- *Hardware* - Mastered hardware troubleshooting skills including sound card issues, IRQ conflicts, and hard drive recovery.
- *The Eddie Huggins Land Grading Co.* - Assisted with various network troubleshooting. Ran cabling for home office.

Technician

Image Data Systems

1995–1995

Worked on computers brought in for service. Operated sales counter. Assisted with laser printer repair and cleaning.

Achievements:

- *Riverside National Bank* - Built and configured Novell file servers.

Computer Sales Associate

Sears

1994–1995

Sold personal computers and accessories. PC and Mac.

Shift Manager

MCDonalds

1989–1994

Operated store during overnight shift. Frequently worked over 80 hours a week.

SysOp

Arctic Underground BBS

1982–1995

Ran a Bulletin Board System through the 80's and early 90's. Started on a Commodore 64 with one line. Ended with 15 phone lines on an Amiga 4000.

Projects:

- *On-line gaming:* Installed and configured hundreds of on-line 'Doors' (text based games).
- *Chat:* Developed custom chat system. Written in ARexx programming language.

Achievements:

- *Picnics* - Organized monthly picnics for BBS users to get together and bring their families.

Programmer

Moneta Associates

1986–1992

Programmed in 8-bit assembly on a Commodore-64 and the Clarion programming environment for the PC. Assisted building custom computer systems. Setup Microsoft DOS software and DESQview software for multitasking.

Projects:

- Interface software: Developed serial interface software for weather reading hardware using the Commodore 64 I/O port.

Certifications

- **CISSP**, Certified Information Systems Security Professional, 2006
- **LPIC-2**, Linux Professional Institute Certified - Level 2
- **JNCI**, Juniper Networks Certified Instructor
- **JNCIA-FWV**, Juniper Networks Certified Internet Associate
- **CCSI**, Check Point Certified Security Instructor - NGX
- **CCMSE**, Check Point Certified Managed Security Expert - Provider-1 NG
- **CCSE+**, Check Point Certified Security Expert - Plus
- **CCSA**, Check Point Certified Security Administrator
- **CCNA**, Cisco Certified Network Associate
- **RSA/CSE**, RSA Certified Systems Engineer
- **CSFE**, Certified StoneBeat FullCluster Engineer
- **eSCE**, eSafe Certified Expert
- **PADI**, Professional Association of Diving Instructors - Scuba Certified
- **PCIA**, CipherTrust Partner Certified IronMail Administrator
- **ACIA**, ArcSight Certified Integrator/Administrator
- **STAR**, SurfControl Top Achiever Recognition
- **MIPS-I**, McAfee Intrusion Protection Solutions (IntruShield) - Technical
- **MIPS-E**, McAfee Intrusion Protection Solutions (Entercept) - Technical
- **MCSE: Security**, Microsoft Certified Systems Engineer: Security
- **SCP**, Sniffer Certified Professional
- **BSPE**, Blue Coat Systems Technical Training Certified
- **SSEI**, Sygate Secure Enterprise Instructor
- **SSEP**, Sygate Secure Enterprise Professional
- **ACP**, Aventail Certified Professional
- **CRIE**, Certified Radware IAS Engineer
- **CCSC**, Crossbeam C Series Certified
- **CXSC**, Crossbeam X Series Certified
- **PGP**, Pretty Good Privacy Certified

Education

Classes at Community College

Indian River Community College

Subjects: FORTRAN, COBOL, dBase IV, Basic, Turbo Pascal.

High School

Lincoln Park Academy

- Competitions: Won first place in multiple state and county computer programming competitions using the Pascal and BASIC languages.

Miscellany

I started programming when I was 9 years old on a Timex Sinclair 2068 and a Commodore 64. I have always felt a certain passion for technology. I believe in providing technology solutions and services that help people and in return I have a very loyal and satisfied customer base. In my spare time I continue my high-level and low-level programming skills on various Linux projects.

References

Dwight Dial

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Management

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Alex Rojas

Senior Security Engineer, The Miami Heat / American
Airlines Arena

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Publications

- Contributing Author. *Configuring Juniper Networks NetScreen and SSG Firewalls*. Syngress Publishing. 2006.
- Contributing Author. *Configuring Check Point NGX Firewalls*. Syngress Publishing. 2005.
- Contributing Author. *Sygate Secure Enterprise Professional 4.0 Student Guide*. Sygate Technologies. 2004.

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