

Jon Bailey

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Summary Statement

I'm an IT professional with two decades of experience - focusing on software development & Dev-Ops work. I have experience supporting and administering several diverse platforms (Unix/Linux, MacOS, Windows), scripting and developing native code applications for all three. I'm also capable in network engineering and security. I'm currently seeking full-time employment or contract work - if my skills look like a good fit for your needs please give me a call!

Professional Experience

- Microsoft tools
 - Visual Studio 2005-2013 / Qt (C++) / Win32 Python + Perl / Active Server Pages (ASP.NET) / C# / Windows Server
- Development / software maintenance tools
 - git (github+bitbucket) / Subversion (svn) / CVS / Atlassian JIRA, Bamboo / Jenkins / Microsoft Team Foundation Server / Visual SourceSafe
- Unix / Oracle / MacOS X / BSD
 - XCode / Qt (C++) / GNU Toolchain - GCC G++ / GDB / Valgrind / Python / Perl / Red Hat Enterprise Linux (RHEL) / CentOS / SuSE / Debian / FreeBSD / OpenBSD / Mac OS X / VMWare Virtualization / Intermediate level UNIX System Admin (per USENIX SAGE definition) / Solaris Unix (10 yrs) SPARC and x86 / Java / Eclipse / Oracle RDBMS / MySQL/MariaDB / Apache / Tomcat / CouchDB (Erlang) NoSQL
- Networking / Security
 - BGP routing (Core, Cisco 7000/12000) / Firewalls (PIX/CheckPoint) / 802.1q VLANs

Work History / Accomplishments

Consulting 12/2013 - present JonBailey.NET
Denver, CO

- Small+medium business planning & troubleshooting
 - Monitoring & management of network + infrastructure devices
 - Windows Server, OS X Server, & Linux assistance

Release Engineer 7/2011 - 10/2013 Cloudpic, Inc.
Cupertino, CA

- Python / C++ / Erlang development
 - Native OS app development for Win/Mac/Linux cross-platform codebase
 - CouchDB NoSQL data store
 - Atlassian build / dev environment (JIRA, Bamboo)
 - Eclipse (Win/Mac), GNU Toolchain, XCode

Software Developer 12/2010 - 02/2011 Hudson IT
Englewood, CO

- C# / ASP.NET application maintenance
 - Worked migrating ASP.NET 1.x framework code to modern controls
 - Diagnosed database load issues due to code design
- MySQL administration / maintenance
 - Documented and executed back-up and roll-out plan for schema changes

Software Developer

02/2009 - 06/2010

IPS MeteoStar
Englewood, CO

- C++ / Qt application development (Linux & Visual Studio)
 - Interacted with clients to troubleshoot / reproduce failure modes
 - Configured test environments (multiple VMs) to reproduce failures
 - Worked with senior developers to produce useful diagnostic dumps
 - Helped train testers on specific customer-critical use cases
- Perl development / maintenance
 - Developed "watchdog" tool for sending SNMP alert notifications (traps) if other applications crashed/hung.
 - Self-contained (single .pl / .exe file)
 - Cross platform (Windows/Linux)
 - Parsed XML config files to self-configure on first launch
 - Established RPC link with running applications for monitoring
 - Interfaced with precompiled native libraries on Win32 (SNMP libs)
- Software configuration / Build management
 - Integrated development VM images for known "clean" builds
 - Packaged win32 builds with InstallShield
- Legacy system support (IRIX / Solaris)

Operations Engineer

02/2006 - 01/2009

ClickBank
Broomfield, CO

- Administration of a heterogeneous set of e-commerce servers
- Administration of Red Hat Enterprise Linux, FreeBSD 4.x/6.x, Windows
- Administration of Cisco based LAN, WAN, Voice, and VPN technologies
- Administration of internal MediaWiki, JIRA, LDAP, SecurID ACE servers
- Internal IT support
- Administration of high-availability Apache, mod_jk, Tomcat servers

Solutions Engineer

01/2004 - 01/2006

ViaWest
Denver, CO

- Maintenance / Mangement of regional ISP network (hi-cap circuits)
- Administration of Red Hat Enterprise Linux systems
- Administration of Windows 2003 and 2000 servers
- Telephone support for medium/large customers
- Coordination with telco on T1, T3, frame-relay issues

Operations / IS Manager

09/2002 - 06/2003

Overseas Precision Castings
Boulder, CO

- Administration of NetScreen based VPN / firewall / NAT
- Handled ordering and troubleshooting of T1 data, voice and ISDN lines
- Set up and maintained Windows/Exchange 2000, File & Print services
- Set up and deployed Red Hat Linux webserver with Apache 2 and PHP
- Support Windows XP desktop users across 2 remote offices

- Custom Access / Visual Basic for Applications development under Office

Network Engineer / Systems Administrator 04/1999 - 12/2001 bConnected Software
Boulder, CO

- Specified and deployed Cisco Catalyst switched Ethernet backbone
- Administered Solaris 2.6-8 on Sparc and Intel platforms with VERITAS toolset.
- Administered Apache with WebLogic Java Enterprise Server
- Solaris based Checkpoint Firewall-1 VPN / NAT
- Specified and helped deploy Solaris and Linux server appliances running in-house Java application
- Set up Lucent Portmaster dial-in server w/ RADIUS (ISDN / Modem pool)
- Handled ordering and troubleshooting of T1 data, voice and ISDN lines
- Set up and maintained Windows/Exchange 2000, File & Print services
- Supported Windows NT 4, Windows 2000 and Macintosh users

Network Engineer / Systems Administrator 06/1996 - 04/1999 MatchLogic, Inc.
Westminster, CO

- Deployed Cisco PIX Firewall, and access-list based packet filters
- Systems administration of large scale Sun Solaris servers / EMC storage with VERITAS toolset.
- Deployed BGP routing between multiple upstream ISPs for failover
- Specified Westminster facility network wiring infrastructure
- Deployed FreeBSD UNIX based traffic-monitoring system (MRTG)
- Set up Lucent Portmaster dial-in server w/ RADIUS (ISDN / Modem pool)
- Handled ordering and troubleshooting of T1 data lines
- Set up and maintained Windows NT Exchange, File & Print services
- Supported Windows NT 4 and Macintosh users

Customer Support / Network Engineer 02/1994 - 06/1996 Verio Michigan
Livonia, MI

- Administered SGI IRIX based systems running sendmail, bind, radius
- Administered iPlanet Web Server (Netscape Enterprise Server)
- Maintained Lucent (Livingston) based ISP backbone
- Handled ordering and troubleshooting of T1 and T3 data lines
- Did onsite installation of customers network / firewalls
- Supported dial-up customers

Customer Support 01/1993 - 02/1994 QVS, Inc.
Romulus, MI

- Specified design change to PC console switching equipment to resolve failure problems. (Keyboard Reset on CA264 series)
- Supported nationwide customer base of serial & parallel hardware and accessories.

Education

University of Colorado at Boulder

Pursuing an Electrical Engineering curriculum

Henry Ford Community College, Dearborn MI

Two years in the Computer Science curriculum

References available upon request.