Alan Bailward

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Qualifications

- 11 years as a Perl developer, expert in mod_perl, HTML::Mason and EmbPerl
- 7 years developing and designing web appliances
- 12 years software development experience, including senior developer and team lead
- Senior C software engineer for the Firecard embedded security device.
- 16 years experience with the Linux operating system
- 11 years as a System Administrator for a high traffic website
- Experienced with development/stage/production deployment procedures
- ISP System Administrator in a high pressure, minimal downtime environment

Skills

- Programming Languages: Perl, Ruby, Ruby on Rails, CGI, C/C++, BASH, SQL, JavaScript
- Security: SELinux, firewalls, VPN, intrusion detection, secure programming
- Operating Systems: Linux, UNIX, MacOS, Windows Server/Desktop, VMS
- Technology: Web Applications, LAMP, Network administration, internet services, Apache, version control (GIT, SVN, CVS), Databases (MySQL, PostgreSQL), VMware Virtualization, open source software
- Networking: Secure network design, Standard internet services, TCP/IP, SANs, enterprise systems

Work History

Senior Developer, System Administrator   April 2011 – Present
Left of the Dot, Maple Ridge

- Architected and developed a PHP based web application integrating subdomain purchase and allocation
- Updated a large scale legacy PHP application to modern standards, integrated with a purchasing system
- Responsible for the system administration tasks for server management, DNS and development deployment

Launch Manager / Developer   July 2009 – April 2011
airG, Vancouver

- Responsible for managing code deployment to one of the most popular mobile communications sites in North America
- Maintenance and ongoing development of procedures and setup of dev/stage/production environments
- Break / fix emergency response to server issues
- Responsible for server usage and log analysis for performance tuning
- Server maintenance and scripting while coordinating with the server team

Senior OS Developer   June 2008 – April 2009
Layer 7 Technologies, Vancouver

- Drastically improved system build time through scripting, automation and documentation
- Project Leadership of Appliance Platform: helped define and built hardware platform for network security device used in Commercial and Military web service security
- Maintained, updated and secured the Red Hat Enterprise Linux 4 and 5 server based embedded appliance distribution for networking appliance hardware

- Responsible for system administration of engineering servers
- Developed and tuned VMware Server and ESX versions of our product distributions.
- Developed and maintained STIG (US Military spec security guideline) compliant embedded networking appliance operating system build
- Developed compliance to SELinux based US Federal government specifications

Systems Administrator, Architect
March 2006 – June 2008
Uniserve Communications, Vancouver

- Developed a web applications for client maintenance and network usage tracking
- System Administrator for Linux, BSD and Windows in a high pressure, minimal downtime environment
- Maintained backup, email and anti-spam solution for clients
- Quickly responded to client support issues

Deployment Specialist
October 2004 - March 2006
TSC Software, Mission

- Project managed and completed large client installations of Java based software under Windows, Linux and Mac platforms
- Initiated and deployed network monitoring system to 40+ clients

Web Developer
August 2003 - September 2004
Premier School Agendas

- Designed and implemented educational web applications on a high traffic website
- Converted corporate site from static HTML to fully dynamic database driven site
- Implemented a Revision Control System for developers

Contract Programmer
July 2002 - Present
AHI Contract Programming, Mission

- Developed web applications including a Real Estate administration site, full featured and reusable Content Management System and an website builder using Perl and MySQL
- Developed a web application for Insurance Underwriting using EmbPerl and PostgreSQL
- Deployed a learning management system on a Win2k/SQL Server/VBScript/FrontPage platform

Contract Online Game Programmer
May 2002 - June 2002
Faststorm, Abbotsford

- Created high performance Perl daemon for game processing engine under a tight deadline
- Contributed to the architecture of the web based user-interface

Senior Software Engineer
April 1998 - March 2002
Netmaster Networking/Merilus, Chilliwack

- Senior C and Perl developer for the Firecard security device NICS internet appliance
- Developed Perl applications for embedded software and web administration
- Responsible for a high speed data transfer utility and core system utilities as lead C developer for the first Linux based computer on a PCI card
- Team lead for five programmers with skills in Java, Perl and C

Technical Support / System Administrator   September 1994 - April 1998
Fraser Valley Real Estate Board, Surrey

- Client communications as first and second level technical support, and system administration
- Responsible for the weekly creation of the Real Estate catalog for Fraser Valley distribution
- Improved efficiency of image processing and data collection for web based initiative

Volunteer Experience

- 2009 – Member of the Fraser Valley Ruby Brigade (a Ruby on Rails user group)
- 1999 – 2005 - Created a geek dating site called *Peer 2 Peer Personals* using Perl and PostgreSQL
- 1999 – 2007 - Co-founded the Fraser Valley Linux Users Group
- 1999 – 2001 - Contributed to the *Galeon* and *XFMail* open-source projects
- 1998 – Present – Administrator of UFies.org and TDIClub.com, a high traffic server with shell users, mail, virtual web hosts, and other web services

Web Presence

- GitHub: http://github.com/arcterex
- Programming Blog: http://thinkingonrails.com
- Twitter: http://twitter.com/arcterex

Personal Strengths

- Excited by challenges and new technology
- Ability to get up to speed quickly on new software
- Detail oriented
- Excellent communications and interpersonal skills, including the ability to speak both "geek" and "human"
- Problem solver and self starter
- Excels in both team and solitary work environments
- Flexible and highly responsive
- Learns quickly and works well under pressure

Education

- Bachelor of Science in Computer Information Systems**,** University College of the Fraser Valley**,** Abbotsford, 1998
  The CIS degree program was designed to give students a wide variety of exposure to the high tech workplace. Topics included programming, database administration and design, OOP and system design and analysis.   There was also a heavy emphasis on business skills such as accounting and communications.

References

Personal and professional references are available on request.