

# Kirk W. Bauer

(480) 252-3460

30402 N 123rd Ln, Peoria, AZ, 85383

kirk@kaybee.org

## Objective

Executive, Management, or Architect position in Information Technology or Software Development. Sales Engineer positions will also be considered.

## Summary of Qualifications

I am an experienced IT professional with a wide variety of experience. My years of hands-on systems/network/database administration, software development, and other related experience (management and sales) allows me to approach all aspects of information technology with a broad viewpoint. I can relate to executive management, engineers, developers, the sales team, and customers. My verbal and written communication skills are evident in my success in sales and the successful publication of my book and many articles and whitepapers.

## Accomplishments

Author of *Automating Unix and Linux Administration*, published by Apress in September 2003 (ISBN: 1590592123).

Creator and primary developer of many Linux projects used by hundreds of thousands of people throughout the world, the most popular being Logwatch, which is included in most of today's Linux distributions, including Red Hat Enterprise Linux.

## Employment History

### **F5 Networks, Phoenix, AZ - 2006 to Present**

#### **Senior Field Systems Engineer**

- Technical half of the sales team, providing technical presentations, solution architecture, product demos, proof-of-concepts, etc.
- Grew revenue from approximately \$1 million to over \$4 million per year.
- Produced over thirty technical solutions that were used by other engineers all over the world to close at least \$20 million in revenue.

### **DHL, Scottsdale, AZ - 2005 to 2006**

#### **UNIX/Linux Global Architect**

- Led a virtual team of Linux administrators/architects from each datacenter and developed global standards for the use of Linux at DHL. This helped to create a more uniform environment to increase availability and decrease costs worldwide.
- Linux hardware platform and virtualization technology review and selection with a focus on determining the platform (or combination) that provides the lowest TCO.
- Designed a global systems management solution based on Red Hat Satellite Server with expected savings of at least \$3 million in the first three years. Created a Global Linux Support Team to manage the product and provide other Linux services.
- Created a blades and virtualization strategy for Linux/Windows with expected savings of \$2-\$4 million per year worldwide.
- Defined and documented global best practices for Linux in all areas including system configuration, security, and management.
- Internal consultant for numerous important projects in areas such as security, server architecture, hardware sizing, purchasing decisions, etc.
- In one case, I used virtualization technology to redesign the architecture for a large global project and reduced hardware/software costs by \$2 million.

### **Proficient Systems, Atlanta, GA - 2002 to 2005**

#### **Engineering Manager & Lead Architect**

- Manager of the team responsible for the continuing development and support of TogetherWeb products including technical sales and product management.
- Involved in both the operations (procedures, automation, hiring, disaster recovery) and development divisions (design, architecture, development) of the company.
- Designed and managed processes for source control, configuration management, system and customer support, system upgrades and application deployment.
- Managed the creation of automated installation and administrative tools for deployment of clustered server software onto RLX ServerBlades.

- Designed and implemented a set of tools to automatically create packages directly from information in the source repository and manage the testing and deployment of said packages.
- Designed and implemented a full web interface that allows package builds, management of custom Linux distributions, and full monitoring and control of installed systems.
- Designed and implemented a set of tools to provide fully automated configuration of F5 Networks BIG-IP load balancing systems.
- Conceived, designed, and implemented a customized proxy server that the development and sales teams used to dynamically modify any web site to work with the Proficient product for sales demonstrations and product testing.

**TogetherWeb Inc, Atlanta, GA - 1999 to 2002**

**Co-Founder & Chief Technology Officer**

- Primary responsibility was to manage the engineering of our core product which required people management, software design, product management, project management, and technical hiring.
- Managed the design and architecture of a complex client/server collaborative web browsing application, including network communication, server architecture, database schema, etc.
- Designed and led implementation of the server side of the collaborative web browsing solution.
- Designed and led implementation of a fully self-contained Linux-based internet appliance.
- Substantial experience in explaining technical ideas to internal management, investors, and potential customers (in a sales engineer role).
- Designed and implemented the production and development server clusters. Hired and managed the support team.
- Responsible for a budget of approximately \$1,000,000 per year.

**Fermi National Accelerator Laboratory, Chicago, IL - 1999 to 2000**

**Software Engineering Consultant**

- Designed and implemented a suite of tools used to administer and monitor thousands of Linux machines at the facility.

**Georgia Tech Research Institute, Atlanta, GA - 1996 to 2000**

**Software Engineer / Systems Administrator**

- Part of a team that designed and wrote electronics warfare systems for the C-130 using Ada on VxWorks. Created a 1553-bus device simulator and logger in C on an embedded processor.
- Lead administrator of 25 Unix machines ranging from Linux to Solaris to AIX. These machines provide mail, DNS, NIS, print service, file sharing (NFS and Samba), network backup, and computational power for over 200 employees.
- Automated almost all of the system administration tasks across the machines using a custom set of administration tools.

**Computing Experience**

**Operating Systems:** Linux, Solaris, FreeBSD, NetBSD, AIX, HP-UX, Windows  
**Programming/Scripting Languages:** C/C++, Java, Perl, Bash, Visual Basic  
**UNIX-Specific Skills:** NFS, NIS, BIND, Samba, Sendmail, Apache, CVS, SSH, and many others  
**Networking Skills:** Cisco, Firewalls, Load-Balancing, DHCP, DNS, high-availability, F5 BIG-IP  
**Database Skills:** SQL, Oracle Admin & Development, Pro\*C, PL/SQL, MySQL Admin & Development  
**Web-Specific Skills:** PHP, CGI, mod\_perl, Mason, JavaScript, DHTML, Apache  
**Embedded Systems:** PIC Microcontroller (Assembly & C), VxWorks real-time OS  
**Other Skills:** ITIL, RUP, UML, DocBook/XML, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Microsoft Project

**Education**

**Georgia Institute of Technology, GPA: 3.31 (with honors)**  
 Bachelor of Science in Computer Engineering, August 2001

**Arizona State University, GPA: 4.0**  
 Masters of Business Administration, May 2010 (estimated)

Red Hat Certified Engineer, September 2005  
 VMware ESX Management Training, June 2006  
 Red Hat Enterprise Deployment and Systems Management Training, June 2006