

Blaine Simpson

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Position Sought

Systems Administration Team Lead or Operations Manager

Academic Qualifications

1991	BS Engineering, University of Maryland + Washington College
1993-1994	Many graduate credits in CS, cumulative GPA 3.9 (max 4.0). UM Baltimore County
1994	Database Administration, Oracle Corporation's Bethesda Education Center
1999	AIX Systems Administration, IBM, Arlington, VA
2010	Sun Certified Java Programmer
2010	Sun Certified Java Developer

Awards

1993	NASA Annual Achievement Award
1994	CSC Technical Excellence Award finalist
2000	Cable & Wireless Customer Service Award

Work Experience

2010-2011	<p>Fannie Mae</p> <p>Worked on numerous infrastructure management tasks involving collecting data from numerous sources of different qualities, reconciling the data and presenting it in a meaningful and secure way.</p> <p>Technical lead for design, implementation, and roll-out of a new BMC ADDM (Atrium Discovery and Dependency Mapping) system that is the definitive source for infrastructure data about the 10,000 Fannie Mae network nodes, and maps assets on those nodes to 409 Fannie Mae business applications.</p> <p>Redesigned a tool to configure-manage and distribute vetted and pre-configured software products onto enterprise servers.</p> <p>Built and re-built many software build systems.</p>
1994-2010	<p>Axis Data Management Corp., http://admc.com</p> <p>Corporate principal; Operational, Business, and Technical lead for every endeavor of ADMC. This includes full product lifecycle, systems integration services, and professional services for commercial and non-profit, domestic and international organizations.</p> <p>Managed an international services contract with Barclays Global Investors.</p> <p>Migrated organizations to Google Applications.</p> <p>Product managed Axis's Reverse Terminal Server and the solid state DataServer.</p> <p>Collaborated with the JClouds project (an open API to portably code for most Cloud platforms) to do in-depth feasibility analysis for interfacing to a software lifecycle service and a new Cloud service provider.</p> <p>Project and Product management using SDLC, UML, project management tools.</p>

- Managed numerous systems to control and track all aspects of projects (requirements, tasks, bugs, milestones, CM, customer support).
- Worked with customer management personnel to inform and suggest about technology options, work up proposals, negotiate agreements, support contracts, SLAs.
- Integrated many different technologies into customer hardware and solutions, often involving OTS products and custom development.. Systems usually designed with Object Oriented Design controlled by SDLC processes.
- Led Professional Services endeavors where Axis personnel worked closely with client personnel, assuring constant communication and clearly delimited responsibilities.
- 1994-2001 MCI / Cable & Wireless Webhosting Services (group was acquired by Cable & Wireless)
- Technical Lead of UNIX Administration team. Hosted some of the biggest web sites in the world at the time, such as The Weather Channel.
- Designed and developed in-house systems, such as automatic Linux and Solaris server builds, monitoring, software distribution, distributed authentication.
- Locked down and gathered forensics on hosts compromised by viruses and by external attacks. Protected, gathered evidence, and audited hosts and systems after employees were terminated for fraud and for malicious hacking (in two separate cases).
- 1990-1994 Computer Sciences Corporation
- Worked on NASA projects for CSC. UNIX and VMS C and C++ communication and Oracle database interface development; UNIX and network administration; Oracle Database Administration; change control management. Performed several software ports and conversions. Was promoted (at age of about 27) to Lead Communications Developer for the NASA User Planning System.

Publicly Available Examples of Work

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|-------------------------|--|
| Shell scripts | http://pub.admc.com/scripts/bin/ , http://pub.admc.com/scripts/sbin/ ,
http://hsqldb.svn.sourceforge.net/viewvc/hsqldb/base/trunk/sample/ |
| HOWTO documents | http://pub.admc.com/howtos/ |
| SqlTool JDBC client | http://hsqldb.org/doc/2.0/util-guide/sqltool-chapt.html |
| JCreole Wiki translator | http://admc.com/jcreole/ |
| Gradle plugins et. al. | http://search.maven.org/#search ga 1 g%3A%22com.admc%22 |
| Github projects | https://github.com/unsaved |

Skills. At least EXPERT level with each item listed.

- Financial management of products, projects, organizations
- Personnel management of projects and organizations
- Satisfying operational requirements and SLAs with a fluid and sometimes under-qualified staff.
- UNIX and Network Security incl. SSH, firewalls, server hardening, Spring Security, JMX, TLS, SSL, VPN, credential management, security policy enforcement, post-intrusion lock-down and forensics, PGP, GPG.
- UNIX and Linux Systems Administration, incl. Kickstart, Jumpstart, application configuration, distributed authentication.
- Controlled software distribution and tracking systems.
- Storage technologies, including RAID, Samba, NFS, San.
- Virtualization and server consolidation. VMware ESXi.

- Specifying hardware configurations and offering alternatives. Comparing hardware vs. software solutions. Understand trade-offs related to performance, capacity, reliability, compatibility, cost.
- High availability, Clustering and load sharing strategies and products
- Many scripting languages from Windows CMD shell to Groovy. Thorough understanding of scripting portability issues.
- Cloud Computing. Intimately involved, at different times, with consumer and provider side of all Cloud layers. Managed multiple projects and customer engagements which achieved dramatic advantages to project schedule, financing, and flexibility by using applicable Cloud resources and services. Have successfully migrated organizations and projects from traditional services and hardware to Cloud alternatives.
- Systems Integration. Integrating third party products, developer and build tools, CM products, and numerous technologies to make reliable and portable software products or systems.
- Detailed, real-life experience with all phases of product and project management using SDLC
- Open Source Development (incl. SqlTool, JCreole, Gradle plugins, ECommerce library, other products)
- Many Java technologies and patterns; Many JEE products and technologies
- Many SCM systems, incl. Git, Subversion, CVS
- Build and Deployment Systems, incl. using Gradle, Maven, Ant, Hudson, Ivy
- Automated Testing, incl. unit, integration, acceptance testing systems
- Database Administration with nearly all popular SQL databases, and LDAP
- Classroom instructor for process and technical subjects
- ADDM, BMC Atrium Discovery and Dependency Mapping

References and Contacts

Please understand that this document does not contain contact information or references in order to protect the privacy and security of the referents. Contact details cheerfully provided if you have a legitimate need.