

Keith Bucher

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Objective

To obtain a position as a lead developer with a company doing cutting-edge work that provides ample opportunities for professional development and advancement. The ideal position would combine product management and architecture design with hands on implementation work.

Relevant Experience (complete work experience available upon request)

07/2010-present Prime Factors, Inc., Eugene, OR

Sr. Software Engineer

Responsible for design and development of the EncryptRIGHT key management and encryption product. This product was used by some of the largest financial institutions in the world to secure financial and payment data.

Served as the lead engineer for the tokenization, database security and KMIP portions of the product. Designed the architecture for these components and implemented the core functionality. Coordinated testing and bug fixes with the QA team.

Let technical presentations to potential customers, including Fortune 50 companies. Gave technical trainings on product when requested and served as tier 3 technical support.

Extensive experience with Java, C, C#, MS SQL, Oracle, Linux, Solaris, AIX, iSeries, z/OS.

10/2004-07/2010 University of Oregon, Eugene, OR

Enterprise Systems Developer

Responsible for design, implementation and support of the Middleware architecture for central Information Services. This includes the Identity Management system, Document Imaging system and the Banner ERP application servers.

Part of a team responsible for designing, implementing and supporting the Identity Management system at the UO for its 45,000 users. The IDM system includes the account management software, LDAP authentication services and SSO as well as integration with the ERP, Active Directory and e-mail services.

Lead developer/project manager for the single sign-on and identity federation projects. Responsible for requirements gathering, project planning, task assignment and implementation.

Extensive experience with Java, Oracle, Linux, Solaris, LDAP and Cisco.

7/2006-present Halomede LLC, Eugene, OR (<http://www.halomede.com>)

Principal Consultant/Owner

Took on occasional short-term consulting opportunities outside of my normal job.

Worked on multiple projects that used object oriented PHP and MySQL backends. Most projects were used by tens of thousands of unique users daily and required multiple application and database servers with load balancing between them. Some examples are below.

Worked with the development team for a major foreign exchange currency information site to troubleshoot performance problems and re-design their web infrastructure and to ensure high performance and availability. Also helped them to implement version tracking, code review, automated testing and continuous integration processes.

Collaborated with the owner of a major affiliate tracking software package to implement features such as e-commerce integration with PayPal and Google Checkout, UTF-8 conversion, data sanitization

routines for security, and automated report generation in Excel and PDF.

12/2003-10/2004 Real Pro Systems, Eugene, OR (<http://www.realprosystems.com>)

Chief Technical Officer

Responsible for the development of RPS's flagship product and the infrastructure to support it.
Duties included software analysis and design, system/network design and security implementation to support 1,500 websites.

Extensive experience with Java, ASP, ASP.NET, Javascript/AJAX and SQL Server 2000.

Responsible for project management and purchasing recommendations in all IT areas.

6/2002-12/2003 BBEC LLC, Metairie, LA (<http://www.bbecllc.com>)

Systems Analyst

Evaluated customer needs and designed and implemented solutions to meet them.

Part of a team responsible for security of network infrastructure and servers of 1,200 node network.

Extensive experience with Java, ASP, ASP.NET, Javascript, Oracle and MySQL.

Acted as lead developer on several projects from conception to completion.

1/2002-3/2002 National Football League, New Orleans, LA

Network Technician

Set up mobile offices in support of Superbowl XXXVII.

Worked with Exchange, Windows 2000, Windows NT.

5/2001-8/2001 NASA, Stennis, MS

Web Application Developer

Designed and developed web accessible Lessons Learned Database for Stennis Space Center.

Worked with ASP, IIS, SQL Server 2000.

6/2000-1/2001 Tulane EECS Department, New Orleans, LA

Software Engineer

Designed and developed interface to Water Quality Database.

Used Oracle 8.0.5 and Pro-C.

9/1999-1/2001 Tulane Law School, New Orleans, LA

Network Technician

Responsible for systems administration and user support on a 300 node network.

Used Novell 5.0, Zenworks, Windows NT/2000.

Education

1998-2002 Tulane University New Orleans, LA

B.S. Computer Science, Physics, Mathematics.

Graduated *summa cum laude*, 3.94 / 4.0 cumulative GPA.

Winner of outstanding achievement awards from Computer Science and Mathematics Departments.

Certifications

Thales nShield Certified Systems Engineer

CCNA (2006-2009)

CompTIA Security+

References

Available upon request.