Alan Christianson

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Experience

Software Engineer   Dakota Legal Software   2011-2014

- Rapidly developed innovative software for the legal market with a fully distributed development team.
- Led a successful port of our flagship product to OS X on an extremely tight schedule.
- Developed tools and libraries that formed the core of our development efforts in a variety of languages, including C++, C#, Python, and VBA.
- Managed Linux servers and MySQL databases to support our products.

Software Engineer   Golden West Internet Solutions   2006-2011

- Developed clustered DHCP server for broadband network with management API and reporting.
- Developed NetFlow collection and aggregation system with support for real-time flow analysis, per-subscriber recording, traffic categorization, and reporting.
- Performed diverse research and development for broadband network management and to support ISP operations.
- Managed Linux and FreeBSD servers.

Software Engineer (part-time)   Dakota Legal Software   2005-2011

- Designed large portions of the company's first product, a MS Word add-in.
- Developed core libraries, licensing and activation services, installers, and other critical components.

Instructor   National American University   2005

- Taught Introduction to Linux System Administration.
- Covered shells, text editors, package management, file system structure, software configuration, security and permissions, etc.

Education

B.S. Computer Science   South Dakota School of Mines and Technology   2004

- 3.6 GPA

M.S. Computer Science   South Dakota School of Mines and Technology   2010

- Published papers on Evolutionary Algorithms
- Studied AI, cryptography, data mining, machine learning, data warehousing
- Served as Graduate Teaching Assistant for assembly language lab

Languages and Technologies

- C#, Python, C, C++, VBA, shell script, NSIS script
- PostgreSQL, SQLite, and MySQL databases.
- Windows, Mac OS X, Linux, and FreeBSD
- Visual Studio, Linux terminal, git, Subversion, VirtualBox, VMWare