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David A. Bierce

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Languages

Perl, Python, JavaScript, C, SQL, Java, Groovy, Go, Spock, PHP, C++, HTML, JavaScript, Bash

Applications

Apache, CVS, SVN, Git, PostgreSQL, Postfix, NFS, GlusterFS, Ceph, OpenLDAP, Samba, Microsoft Hyper-V, Hyperic, OpenNMS, Nagios, Asterisk, Puppet, Salt, XenServer, Libvirt, CloudStack, OpenStack, OpenSSL, PostgreSQL, MySQL, Asterisk, Apache, openLDAP, Postfix, Samba, QEMU, VMWare, gcc, LaTeX, git, SVN, CVS, Perforce

Environments

Apple OS X, Microsoft Windows, Linux, FreeBSD, *NIX, TCP/IP networking, Ethernet, Bluetooth, Kerberos, Arduino, AWS, IBM Softlayer, Digital Ocean

Computer Experience:

I have considerable expertise in Linux, including the design and maintenance of a distribution — [Zinux Linux](#). Zinux is based on the [Linux from Scratch](#) project, but has been greatly customized and extended for my own requirements. Most significantly, I have created an automatic build system that makes from-source installation of the entire OS a simple and speedy process. Zinux includes a complete set of standard Linux tools, a variety of Internet and network servers, and even a live CD for easy installation and emergency use.

I have also contributed patches or other code for several open-source projects including [Openstack](#) (Python), [Apache Cloudstack](#) (Java) and [Salt Stack](#) (Python) and several personal side projects including a Bitcoin exchange arbitrage trader (Golang).

2015-Present

[IBM](#)

Des Moines, Iowa

Global Devop Technical Lead for IBM Cloud Builder

I'm the technical lead for global Devops tools and automated developer testing for IBM cloud products including CloudBuilder, IBM Cloud Orchestrator, Urban Code Deploy and other IBM cloud products. I also perform code review for several automation platforms that are written in Python, Groovy, Java and Ruby. Internally, I promote and implement the usage of emerging technologies and techniques such as continuous integration, docker and saltstack. My work requires broad knowledge of cloud architectures, development and operations.

2013-2015

Appcore

Des Moines, IA

Product Cloud Architect

Appcore was a successful startup that required extreme overlap into multiple facets of technology.

- Collaborate to create product road map for Project Atlas, a cloud orchestration platform
- Lead Architect for implementing baremetal management into software orchestration
- Develop cloud automation software in Groovy and Python using agile methodologies
- Create a complete software deployment pipeline driven by Gradle(Groovy) and continuous integration
- Report bug fixes and patches to open-source projects such as SaltStack(Python), OpenStack(Python) and CloudStack(Java)
- Provide technical education for storage and networking technologies
- Support customer using a wide variety of technologies such Gluster, Puppet, Nexenta, CentOS, NFS, iSCSI, XenServer

Work Experience:

2008-2013

E-Markets

Ames, IA

Developer -- Operations Lead

As the operations lead I championed and directed the fusing of operations and development for our web based ERP ordering platform. Created a unified deployment pipeline in perl to deploy a wide variety of applications on our platform written in Perl, C#, Java. Managed growth through automation using Salt Stack and Microsoft System Center from a single data center and office to multiple data centers and branch offices located around North America. Scaled and converted all offices and branch offices to a VoIP based on Asterisk. I contributed all of E-Markets web products, DRC, NetPlot, NetOrder and AgU. I designed and coded dozens of customer integration systems in Perl and C#. I also assisted with coding, debugging and testing of the entire product suite.

2002-2011

Cynic by Trade, LLC

La Crosse, WI

In 2002 I created a computer consulting company to provide comprehensive technology support to small businesses. We provided computer sales and service, server, network, and end-user support, as well as custom programming, integration, and automation services — essentially the same services that an in-house IT and development staff would provide, but without the ongoing expense of full-time employees. In this position I directly managed 1 full-time and 2 hourly contractors.

2005-2008

[Palisade Systems, Inc.](#)

Ames, IA

Software Engineer

As a software engineer for Palisade Systems, I contributed to the company's line of network security products, including ScreenDoor and PacketSure. I designed and coded many parts of the products' configuration and reporting interfaces in C, Perl, PHP, Flash, HTML and SQL, and assisted with testing and debugging of the products as a whole. I also designed and maintained several data tracking and integration systems for Palisade's internal use in manufacturing, marketing and accounting.

2015-Present

[Des Moines Charity Hack](#)

Des Moines, Iowa

Developer Volunteer

Technology professionals arrive for 48 hours once a year to build and implement tools to make the area's nonprofits operate more effectively so they can continue to focus on doing good.

Volunteer Experience:

Employer References:

Nathan Gordon
Director of Technology
Appcore

Email: nlgordon@gmail.com

Dave Rush
Director, DLP Engineering
Absolute Software formerly Palisade Systems

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Ankeny, Iowa 50021

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