***Jerry W Jackson***

Austin, Texas

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***Summary***

*I'm always ready to learn something new; in fact, the pursuit of knowledge I don't yet possess is one of my driving factors in daily life. The burning question thus becomes, "How can my vast array of skills, knowledge, and experience help you and your company assist me in learning even more?"*

***Experience***

**Owner/Developer**

***a Committee of Lunatics***

August 2010 - Current

*Project --* ***kowm***

technologies -- [ C++, Python, Ruby ]

about -- open-source desktop window manager

designing a Ruby Build Environment associated with kowm

developing a suite of libraries that support the building of modular X apps

developing new X Window Manager using these frameworks

*Project --* ***tumen\_miner***

technologies -- [ JS, WebCL ]

about -- open-source bitcoin miner based on krad\_miner

ongoing development to allow embedding of voluntary pooled bitcoin mining

developing apps to take advantage of background mining via idle gpu processes

*Project --* ***VyncUp*** *(TDHP Event List)*

technologies -- [ Python, CouchDB, HTML5, JS, jquery, node.js, backbone.js, underscore.js ]

about -- a massively searchable NoSQL event database of bands, dancehalls and events in Texas

developed non-flash browser-based file upload system for internal project use

developed automated email daemon using CouchDB’s changes feed

setup deploy and maintained backend for distributed version control system

setup deploy and maintained backend for java-based webapp and CouchDB instance

**Operations Manager**

***Corner House Stock Photo, Inc.***

July 2008 -- Current

responsible for all things hardware related within organization

owned and managed all specs related to hardware or infrastructure within company

setup, deployed and maintained 10+ CentOS 5.3 co-located servers

setup, deployed and maintained Cisco PIX 501 Security Appliance

migrated to and maintained RackSpace cloud infrastructure

designed current backup strategy for both physical and cloud systems

currently developing archiving support for PicturEngine using Amazon Glacier

maintained physical servers and software load for the following websites:

Corner House Stock Photo [ www.cornerhousestock.com ]

Picturesque [ www.picturesque.com ]

PicturEngine [ www.picturengine.com ]

**Network Operations Manager**

***Century Subsidiaries***

February 2008 -- August 2010

designed and administered the corporate build environment in Python

performed Quality Assurance testing on flagship software package

designed and developed existing online help documentation for CenturyABS

managed all server and client systems in a MS Windows-centric network

responsible for daily operation and maintenance of an Avaya PBX system

handled customer specific issues for deploying and integrating software solutions.

**Managing Director, Operations**

***Pet 4 Pets, Inc.***

November 2003 -- July 2007

oversaw all daily operations of a 501(c)3 nonprofit organization

was responsible for all daily IT operations as part of normal workload

designed and developed organization's public-facing website

setup, deployed, and maintained database of all provided animal care and all adoption records

managed receiving and disbursement of all in-kind donations to organization

**Lead Student Programmer**

***State of California***

***Department of Health Services***

***Toxic Substance Control Division***

***Procedures and Regulations Development Section***

June 1984 -- September 1984

Trained and managed four other student programmers as team lead

Developed and maintained new and existing Assembly language programs on a Motorola IV-Phase mainframe.

Implemented new user interface designs for the existing database to increase productivity.

Prepared and submitted detailed reports to other state agencies; including the governor's office

***Skills List*** *(in alphabetical order)*

AFS, Agile Methodologies, Amazon VPC, Amazon Web Services, Android, Apache, Architecture amd64, Architecture arm, Architecture mips, Architecture powerpc, Architecture x86, backbone.js, Big Data, BIND9, Bitcoin, C Programming, C++ Programming, Chef, CIFS, Cloud Computing, Clustering, Computer Hardware, Computer Networking, Computer Security, CouchDB, CSS3, CVS, Database Administration, Debugging, Desktop Support, DHCP, Disaster Recovery, Distcc, DNS, Excel, express.js, ext2/3/4, Git, Hardware, HTML5, IDS, IPSec, Ironfan, JavaScript, jQuery, Lighttpd, LVM2, MySQL, NAT, Network Architecture, NFSv3, NFSv4, Nginx, node.js, NoSQL, NTFS, OpenCL, Operations Engineering, Operations Management, OS FreeBSD, OS Linux, OS OSX, UNIX, OS Windows, Program Management, Python, Qemu, RAID(0/1/5/6/10), Rsync, Ruby, Samba, Sendmail, Shell Scripting, Software Architecture, Software Licensing, SSH, Storage, Strongswan, System Administration, TFTP, Virtualization, VMWare, VNC, VoIP, VPN, Web Development, WEP, Wireless Networking, WPA, Workflow Management, ZFS

***Projects --*** *Open-Source**[ hosted on GitHub ]*

**artifacts** – https://github.com/acommitteeoflunatics/artifacts

January 2011 -- Present

technologies -- [ couchdb, python, ruby ]

about -- artifacts ( /ˈärte;ˌfakts/ ) are generally something you find when you're searching. These artifacts are things I found I wanted to do; but there was no available tool at the time. So, I rolled my own.

I created artifacts, designed all of the core concepts and I currently manage the project

**kowm** – https://github.com/acommitteeoflunatics/kowm

March 2009 -- Present

technologies -- [ c++, lua, ruby, xcb ]

about -- kowm ( /kōm/ ) never wanted to be anything more than the only X window manager that even I would take home to Mom. kowm has decided that 'extensible simplicity' is the wave of the future; and we tend to agree.

I created kowm, designed all of the core concepts and I currently manage the project.

**ironfan** – https://github.com/infochimps-labs/ironfan

April 2011 -- Present

technologies -- [ ruby ]

about -- Ironfan is a Chef orchestration layer for your system diagram come to life. Provision EC2, OpenStack or Vagrant without changes to cookbooks or configuration.

I coded needed support for Elastic IPs within Ironfan clusters; both standard and VPC varieties

**ironfan-homebase** – https://github.com/infochimps-labs/ironfan-homebase

April 2011 -- Present

technologies -- [ ruby ]

about -- Ironfan-homebase is a skeleton homebase for Ironfan and Chef; use this to hold your clusters, cookbooks and stacks.

I designed and wrote the Strongswan cookbook enabling IPsec VPN usage within clusters

**tumen\_miner** – https://github.com/temujin9/tumen\_miner

December 2011 -- Present

technologies -- [ bitcoin, opencl ]

about -- An experimental BitCoin miner, which uses WebCL for pooled block calculations.

I made numerous code contributions to upstream project