

OBJECTIVE

To continue my career as a software developer in a fast paced work environment.

Programming

Java	Golang	SQL	Javascript
Python	Version Control	Lisp	C

Administration

Linux	iptables	SELinux	OSI
Mikrotik	Asterisk	Bind	Dovecot
Postfix	MySQL	Lighttpd	Apache

EXPERIENCE

JPI Worldwide Inc, Clarkston WA 2012 - present

R&D/System Administrator

Promoted to System Administrator and moved to the R&D Department at JPI. Responsibilities expanded to maintaining a network for 500+ simultaneous ISP customers, internal and contracted VOIP networks, and secure hotspot connections at over 20 military bases in Iraq and Afghanistan.

- Responsible for all server applications: Radius, Email, Customer Management Portal, VOIP, VPN, and Web Services
- Maintained and improved an integrated billing and scheduling system for a large college in North Africa
- Improved network status and historical monitoring system for VSAT equipment to improve system uptime and reduce problem turnaround
- Built up servers that implement standard security measures: Data Encryption, Linux Firewall, Permissions, SELinux, SSL, and Security Audits with top utilities such as Lynis and Tiger
- Designed and implemented an integrated billing and authentication application for ISP Customers and Subcontractors that features Authorize.net integration. The system is used to Sign Up home and corporate customers for wireless service, tracks equipment purchases, and handles monthly recurring billing

Software Developer

Hired on a team of four other programmers to create an aviation maintenance application. As a junior programmer my job was to implement the design decisions of the rest of the team. Worked closely with a web designer and mobile os developer to deliver a suitable API.

- Designed and implemented the data structures and services that responded to the API requests, tracked component state, and handled extensive logging
- Designed and implemented a complex authorization system to control read/modify access on per record and column level
- Helped implement services that managed complex relational data such as aircraft engines, part lifetime, and flight/maintenance audits
- Created a benchmarking application in Golang to track response speed and server load. It was used to track differences between revisions, as well as when estimating how the software scaled

Media Kings Inc, Denver Co 2011 - 2012

Software Developer

As a software developer I used to build and manage a new internal software that created customer websites and managed our billing. Much of the software was created while I was employed. My primary role was to take direction from customers and developers and implement features and tests.

- Assisted implementing a CMS in Grails. It was used to take customer orders, process fees through the payment gateway, and start the customer setup process
- Designed a website generation service to setup wordpress sites, mail, and dns records for new customers. It became a part of the main software
- Maintained the testing and production environments: handled migrations and oversaw system performance

Pend Oreille Valley Network, Newport WA 2007 - 2011

System Administrator

As an administrator my responsibilities expanded to include maintaining the our networks, manage routing expansions, and software work to support both POVN's infrastructure and our business clients. My primary work effort went to supporting our back end accounting software, radius server, customer email, and websites.

- Responsible for ISP infrastructure: Wireless, Radius, Mail, Networking, and Web Services
- Maintained a large scale billing and authentication system
- Implemented a Radius/PPPOE service to be used with new wireless to the home and hotspot roll-outs
- Moved much of the server infrastructure from Windows to Linux machines reducing licensing cost. This allowed us to replace other services further reducing both overhead and downtime
- Replaced costly Cisco equipment with Mikrotik based alternatives. This served to reduce licensing and equipment costs as well as increase turnaround time on system modifications and deployment

IT Technician

My primary responsibilities included communicating with customers and administrators to maintain client websites and email. Daily work was attending to support email and phone calls. The business was expanding to serve wireless customers, I helped with setting up new tower sites, routing, and customers.

- Migrated an expensive and unreliable IMail installation to postfix and dovecot to increase system stability
- IT services support - Web Services, Mail, as well as DSL and Dialup connection problems
- Routinely generated different accounting reports from the billing system. It used MSSQL and offered very little in pre-generated reports.
- Home wireless installations - running cable, setting up customer radios, and configuring their home networks
- Telephone troubleshooting with end users

SKILLS

- Strong organizational and communication skills
- Strong understanding of programming design principles and algorithms
- Strong in Object Oriented and Functional programming methods
- Strong in Java, Golang, Groovy, SQL

- Proficient in Python, C, Scala, PHP, and Common Lisp
- Deep understanding of HTTP and Web Application Development paradigms
- System administrative experience with Linux distributions: Debian and derivatives, Fedora, Gentoo, Tinycore, OpenSuse
- Experience with lots of open source software and frameworks: JUnit, Grails, Redis, Docker, Postgresql, Mysq, Vert.xl
- Strong experience in running virtual machines in KVM, VMware, and VirtualBox
- Proficient in VOIP setup and maintenance with Asterisk
- Experience with standard web services software for linux: Postfix, Dovecot, Bind

REFERENCES

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