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Daniel E. Wyatt

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SUMMARY OF QUALIFICATIONS

An RHCE and AWS certified information technology professional with hands-on experience in the design, implementation, and support of IT infrastructure including public/private clouds, Linux and Windows systems, software development, and software deployment.

PROFESSIONAL EXPERIENCE

CURRENT	**Linux and Python Tutor at PARLIAMENT TUTORS** Independent tutoring on the topics of Linux and Python programming.
MAR 2016 FEB 2014	**Systems Engineer for FEMA (Contractor)** *Expeditionary Enterprise Engineering (E3)* Responsible for administering Linux servers, Apache and Tomcat services, the Hitachi SAN, and Windows servers. Also responsible for imaging/testing GIS laptops to deploy to disaster sites. Highlights:

- Administered and deployed physical and virtual (ESXi/vSphere 5) RHEL 5/6/7 systems and handled upgrades of OS and application components (Tomcat, Apache reverse-proxy, others).
- Developed kickstart installations for rapid, secure deployment of new RHEL systems.
- Proactively identified and resolved security issues on both private and public servers, running and utilizing security scans and other resources.
- Responded to and acted on any security incidents reported by the SOC, assessing severity of threats.
- Monitored service usage to identify and block illegitimate uses and free up resources.
- Implemented backups, time synchronization, and centralized logging for Linux systems across varying environments.
- Implemented new laptop imaging system with MDT, drastically reducing the time to deploy Windows-based GIS laptops to the field and reducing human error.

Developer / Cloud Engineer at NEW LIGHT TECHNOLOGIES, INC.
Cloud and Virtualization Solutions

Responsible for administering the NLT Amazon EC2 infrastructure.
Highlights:

- Designed and implemented a simple web interface for managing AWS EC2 instances using Django, Celery, Redis, memcached (previously), RabbitMQ, and AngularJS. Deployed with Ansible.
- Designed an Active Directory infrastructure in the cloud with VPN connectivity.
- Created and administered a developer environment composed of Ubuntu systems in the AWS cloud with xrdp access.
- Supported developers by automating processes and acting as the cloud liaison.

SUMMER 2012	**Developer on iPXE** *Google Summer of Code* Rewrote the Broadcom NetXtreme II NIC driver for iPXE based on the official datasheet and new Linux bnx2 driver. ◪info ◪repo
SUMMER 2011	**Developer on OPENIMAGEIO** *Google Summer of Code* Wrote plugin for reading Adobe Photoshop PSD files. ◪repo
SUMMER 2010	**Developer on LIBSDL** *Google Summer of Code* Implemented Windows input method support, allowing text input for Chinese, Japanese, and Korean languages. ◪repo

Technical Skills

Skill/Technology	Used Very Often	Used Frequently	Used Occasionally
	Linux (RHEL, many)	Kubernetes	Golang, Java
	Ansible	Terraform	CoreOS, FreeBSD
	Python	Jenkins	AngularJS 1
	Django	Ruby, Ruby on Rails	Google GCE/GKE
	C/C++	Apache, Nginx	Microsoft Azure
	Bash	HTML,CSS	Windows Server 2012
	Docker	Javascript/ES6/JSX	PowerShell
	AWS EC2/VPC, etc.	React	Active Directory / LDAP
			VMware vSphere 5/6

Open Source Projects

⚘ Bitsee   Ruby
Ruby on Rails bitcoin blockchain embedded data extractor/viewer.

⚘ Pastely   Python,ES6
An online code paste service using React, Django, Ansible, Docker, and Kubernetes.
Full CI/CD pipeline utilizing Jenkins and other tools.

micronotes   Golang
Simple microservices-based web application making use of Consul, Vault, Vagrant,
SaltStack, PostgreSQL, Cassandra, JWT tokens, and many other tools.

⚘ NCTGPIO   C
FreeBSD driver for the GPIO functionality of the NCT5104D Super I/O chip.
Accepted in to FreeBSD mainline.

⚘ FPANELKB   C,ASM
USB HID device firmware for the front-panel of a Speco PC Pro CCTV DVR.

⚘ vc0706   C++
Software to control a VC0706-based JPEG camera via a computer serial port.

⚘ mcp23008   C++
mbed library for the MCP23008 I/O expander. Tested on an LPC1768.

⚘ seagate-leds   C++
Linux software to control Seagate external hard disk LEDs and query feature information.

Certifications

- Red Hat Certified Engineer (RHCE)
- Red Hat Certified System Administrator (RHCSA)
- AWS Certified Solutions Architect - Associate
- AWS Certified SysOps Administrator - Associate
- AWS Certified Developer - Associate
- CompTIA Linux+ Network+ A+
- Linux Professional Institute LPIC-1
- SUSE Certified Linux Administrator
- Microsoft Certified Professional (MCP)