Daniel E. Wyatt



SUMMARY OF QUALIFICATIONS

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

Professional Experience

CURRENT

Freelance Software Developer, Systems Engineer

Software development and systems engineering/administration. Highlights:

- Ribose, Inc. Developer on various projects
 - rnp a native C/C++ OpenPGP library and tool suite
 - py-rnp, ruby-rnp FFI bindings for rnp
 - enprot a confidentiality processor for text and source code files
 - ruby-botan Ruby bindings for the Botan cryptographic library
 - Botan various contributions
 - rpm-spec-automake116-automake, rpm-spec-botan2 various RPM specs for CentOS
- Sonata Learning Assisting with AWS deployments/administration and re-designing for a more resilient production environment.

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:

- Deployed and administered physical and virtual (ESXi/vSphere 5) RHEL systems.
- Pro-actively identified and resolved security issues on both private and public servers.
- Responded to and acted on any security incidents reported by the SOC, assessing severity of threats.
- Implemented backups, time synchronization, and centralized logging for Linux systems across varying environments.
- Drastically reduced the time to deploy Windows-based GIS laptops to the field via automation.

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.

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.

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Summer 2011

Developer on OpenImageIO

Google Summer of Code

Wrote plugin for reading Adobe Photoshop PSD files.

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Summer 2010

Developer on LIBSDL

Google Summer of Code

Implemented Windows input method support, allowing text input for Chinese, Japanese, and Korean languages.

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TECHNICAL SKILLS

	Used Very Often	Used Frequently	Used Occasionally
Skill/Technology	Linux (RHEL, many)	Kubernetes	Golang, Java
	Ansible	Terraform	CoreOS, FreeBSD
	Python	Jenkins	AngularJS 1
	Django	Ruby, Ruby on Rails	${\it Google~GCE/GKE}$
	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
		Rust	$VMware\ vSphere\ 5/6$

PERSONAL 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.

 $^{\circ}$ MCP23008

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)