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# Daniel E. Wyatt

dewyatt.github.io  
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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 systems, and application deployment.

## PROFESSIONAL EXPERIENCE

CURRENT	<b>Linux and Python Tutor at PARLIAMENT TUTORS</b> Independent tutoring on the topics of Linux and Python programming.
MAR 2016	<b>Systems Engineer for FEMA (Contractor)</b>
FEB 2014	<b>Expeditionary Enterprise Engineering (E3)</b> 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: <ul style="list-style-type: none"><li>• Planned and implemented FEMA/DHS central logging requirements for Linux servers.</li><li>• Proactively identified and resolved security issues on public servers.</li><li>• Actively mitigated vulnerabilities identified by security scans.</li><li>• Responded to and reported on security incidents reported by the SOC.</li><li>• Monitored service access to identify and block illegitimate uses and free up resources.</li><li>• Implemented backups and time synchronization for Linux systems across varying environments.</li><li>• Implemented new laptop imaging system with MDT, drastically reducing the time to deploy laptops and reducing human error.</li></ul>
	<b>Developer at NEW LIGHT TECHNOLOGIES, INC.</b> <i>Cloud and Virtualization Solutions</i> Responsible for administering the NLT Amazon EC2 infrastructure. Highlights: <ul style="list-style-type: none"><li>• Designed and implemented a web interface for AWS EC2 instances using Django, Celery, Redis, memcached (previously), RabbitMQ, and AngularJS. Deployed with Ansible.</li><li>• Designed an Active Directory infrastructure in the cloud for NLT with VPN connectivity.</li></ul>
SUMMER 2012	<b>Developer on iPXE</b> <i>Google Summer of Code</i> Rewrote the Broadcom NetXtreme II NIC driver for iPXE based on the official datasheet and new Linux bnx2 driver. <a href="#">info</a> <a href="#">repo</a>
SUMMER 2011	<b>Developer on OPENIMAGEIO</b> <i>Google Summer of Code</i> Wrote plugin for reading Adobe Photoshop PSD files. <a href="#">tgz</a>
SUMMER 2010	<b>Developer on LIBSDL</b> <i>Google Summer of Code</i> Implemented Windows input method support, allowing text input for Chinese, Japanese, and Korean languages. <a href="#">repo</a>

# TECHNICAL SKILLS

	Used Very Often	Used Frequently	Used Occasionally
<b>Skill/Technology</b>	Linux (RHEL, many) Ansible Python Django C/C++ Bash Docker AWS EC2/VPC, etc.	Kubernetes Terraform Jenkins Apache, Nginx HTML,CSS Javascript/ES6/JSX React I2C/TWI, SPI, GPIO	Golang, Java CoreOS FreeBSD AngularJS 1 Google GCE/GKE Microsoft Azure Windows Server 2012 PowerShell Active Directory / LDAP VMware vSphere 5/6

# OPEN SOURCE PROJECTS

- ⌘ PASTELY PYTHON,ES6  
An online code paste service using React, Django, Ansible, Docker, and Kubernetes.  
**Note:** Limited browser support due to use of CSS flexbox. Try modern Firefox/Chrome.
- ⌘ NCTGPIO C  
FreeBSD driver for the GPIO functionality of the NCT5104D Super I/O chip.  
Committed to FreeBSD.
- ⌘ FPANELKB C,ASM  
USB HID device firmware for the front-panel of a Speco PC Pro CCTV DVR.  
Support included for the buttons, knobs, LCD, and infrared remotes.
- ⌘ 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.  
Involved reverse-engineering some Windows software and some firmware.
- ⌘ SFTTF C++  
TrueType font support for SFML.

# 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)