BRADLEY FORNEY

SKILLS

Configuration Management: Ansible, Chef
Imaging & Backups: Acronis, Norton Ghost, Veeam
Information Assurance: Army Golden Master, DISA Gold Disk, STIGs
Infrastructure: Cloud Computing, SANs
Leadership: I.T. Project Management, Managed Internship Program, Trained Employees, Team Lead
Operating Systems: Linux [Red Hat/CentOS/Ubuntu], Microsoft Windows [2003, XP, Vista, 7, 2008, 8, 10]
Scripting: Bash, Batch, Powershell
Servers Roles: Active Directory, Application Servers [JBoss], Database [CouchDB, Microsoft SQL, PostgreSQL, Oracle], DHCP, DNS, SharePoint [2003, 2007, 2010], Web [Apache, IIS, Nginx]
Virtualization: Docker, LXC, Microsoft Virtual PC, OpenNebula, Vagrant, VirtualBox, VMware [ESXi, vCenter, vSphere]

EDUCATION

Bachelor of Science in Computer Information Systems - Network Security

ECPI University (3.96/4.00 GPA)
- Vice President of Golden Key International Honour Society
- Initiated projects for community support:
    - North Charleston Midland Park Community Center Computer Training Courses
    - Lowcountry Food Bank
- Dean's List: Fall/Winter/Summer 2013

Associates in Science

Trident Technical College (3.42/4.00 GPA)
- Dean's List: Spring 2007, Spring 2008, Summer 2011

CERTIFICATIONS

06/2013 **MCSA/MCITP: Microsoft Server 2008, Server Administrator (70-646 exam only)**
06/2013 **EMC Information Storage Associate (EMCISA)**
04/2013 **CompTIA Cloud+**
04/2013 **ETA Certified Fiber Optic Installer (CFOI)**
02/2013 **CompTIA Linux+**
02/2013 **Novell/SUSE Certified Linux Administrator (CLA)**
02/2013 **LPI LPIC-1**
07/2012 **Red Hat Certified System Administrator (RHCSA)**
08/2011 **CompTIA Security+**
07/2007 **CompTIA A+ Remote Support Technician**
07/2007 **CompTIA A+ IT Technician**
06/2007 **CompTIA Network+**
02/2007 **Six Sigma Greenbelt**
03/2004 **NASA-STD-8739.3 NASA Hand Soldering Technology**

02/2004 **DOD-STD-2003-5 Standard Methods for Surface Ships and Submarines (Cables and Connectors)**

EXPERIENCE

IT Operations & Infrastructure Manager – Tehama Inc.

(02/2020 – Present)

- Responsible for AWS cloud based deployments and automation across the world, utilizing services such as Cloudformation, EC2, ECS, EFS, RDS, Route 53, ACM, Elasticsearch/Opensearch, etc.
- Ensured SOC2 compliance (within Ops scope; ie: vulnerability tracking, mitigation, monitoring, etc.)
- Worked with team to implement proof of concept for new cloud architecture on OCI
- Heavy emphasis on improving backend infrastructure and addressing technical debt
- Led geographically diverse Ops team responsible for global cloud infrastructure
- Implemented & improved deployment and automation (primarily bash/shell scripting + Jenkins)
- Participated on on-call rotation with the team, using tools such as Pagerduty, Kibana, and Grafana to assist with incidents and investigations

IT Operations & Infrastructure Manager – The Hotel Communication Network

(07/2017 – 02/2020)

- Managed Ops team responsible for over 10,000 physical assets and numerous virtual servers distributed across 10 physical sites
- Responsible for migration of locally hosted infrastructure to AWS EC2 cloud
- Converted LXC systems to Docker
- Provided operations support for corporate IT infrastructure as well as production systems
- Troubleshooting hardware and software failures while coordinating and communicating with impacted stakeholders
- Maintained Zabbix monitoring
- Implemented configuration management tools and automation for CI/CD (Continuous Integration/Continuous Development) as well as server & system management

DevOps Systems Specialist – Blackberry/BBM

(07/2015 – 07/2017)

- **BBM portion of BlackBerry Identity (BBID) Project acquired by BBM/CMW via partnership with BlackBerry on 08/2016**
- Worked on Proof of Concept with other team members internationally to evaluate migrating to different cloud infrastructures
- Contributed to generation of Ansible + Vagrant files for deploying BBID VMs based on existing Chef files
- Linux and Windows Administration within an Open Nebula & Google Cloud infrastructure
- Supported Development Operations for the BlackBerry Identity (BBID) and Enterprise Identity (EID) products
- Maintained server infrastructure of over 400 VMs, meeting production environment specifications
- Led migration of BBID systems from VMWare infrastructure to an alternative open source virtualization platform
- Migrated RHEL systems to Ubuntu & Windows Server 2003 systems to Windows Server 2012
- Led student co-op for 8 month term covering DevOps/Sysadmin skillsets
- Linux Administration - CentOS/Redhat + Ubuntu

- Apache and JBoss support
- Oracle SQL support
- Maintained Nagios monitoring
- Cloud Deployment and Automation (Open Nebula & Google Cloud)
- Chef & Jenkins-supported continuous integration
- DevOps support of Developers in an Agile environment
- Maintained project's technical documentation via internal Wiki
- Lab management of Development systems for BBID project

Volunteer

(06/2014 – 06/2015)

- Relocated to Ottawa, Ontario, Canada from Charleston, South Carolina, USA
- Manor Park Community Council (Summer 2014):
  - Worked with staff and children (8-12 years old) to establish a robotics program at Manor Park Community Council
  - Taught various concepts such as basic circuits, electricity, electromagnetism, as well as programming and controlling circuits using the Arduino platform
  - Set up computer and network infrastructure to support the robotics program
- Camp Cherith (Summer 2014):
  - Served on Maintenance team – duties included general grounds and building maintenance, assisting with water treatment system operations and maintenance, and general carpentry, plumbing, and mechanical work

Systems Administrator – Life Cycle Engineering

(03/2012 – 06/2014)

- Created Batch & Powershell scripts :
  - For integration with Nagios for Windows Server monitoring
  - For replicating GPOs, OUs and their Links between identical domains from different environments (due to the whole system being overhauled from scratch and on a different network)
  - For general automation and data gathering for troubleshooting and monitoring
- Performed security hardening of systems according to NIST guidelines and organization's security policies:
  - Windows Server Administration
  - Active Directory
  - Apache Tomcat
  - IIS
  - Sharepoint
  - MS SQL (for vCenter and Sharepoint)
  - vCenter Server
  - Linux Administration (Red Hat Enterprise Linux - RHEL & CentOS)
  - Apache (httpd)
  - Nagios monitoring server
- Support of Physical and Virtual Infrastructure:
  - Hosted on both IBM and Dell blade infrastructure running VMware
  - Convert physical machines to virtual
  - Reconfigured hardware and network infrastructure in development server lab
  - SANs including IBM, Dell, Nexsan, Drobo, and Netapp (iSCSI and ethernet)

- Worked with team to develop and implement Disaster Recovery Plan
- Monitored and managed lab's APC Symmetra PX UPS system
- Managed interns:
  - Trained in fundamentals of networking, hardware, security, operating systems (Windows and Linux), services (AD, Apache, DHCP, DNS, IIS), and virtualization
  - Also focused on professional development such as leadership training, public speaking, and project management
- Assisted with Hackwarz Information Security competition:
  - Created exploitable Virtual Machines for Information Security training and awareness based on various Windows platforms (XP through 2012)
  - Built training labs using Rapsberry Pi single board computers running Raspbian (Debian-based Linux distribution) and an Arduino single board controller

Owner – Oxide Solutions, LLC

(04/2010 – 01/2012)

- Individual client and small business computer services and support including but not limited to:
  - Desktop/Laptop: Setup/Repair/Upgrades/Troubleshooting (software and hardware)
  - Windows Server 2003, XP, 7 administration
  - Network configuration and troubleshooting
  - Peripheral installation
- Project management, marketing, and client interaction for both the Computer Services division and the Design division

Computer Systems Administrator – QinetiQ North America

(06/2008 – 02/2012)

- **This was a continuation of the previous role at Honeywell due to the contract being won by QinetiQ**
- Single-handedly managed and ran IT operations for PMW 760 LCS Design Site Support
- Windows Server 2003, Windows 7, Mac OS X, & Network support
- Autodesk Data Management Server (ADMS)
- Trained new employees and worked with them to ensure their success.
- Created a C++ program to automate the process of installing networked printers on client computers which significantly reduced labor hours required for this task

Electronic Technician I – Honeywell Technology Services, Inc.

(02/2004 – 06/2008)

- Performed Windows 2000/XP/Vista & Network support:
  - Software support (installations, upgrades, system backups, troubleshooting).
  - PC hardware installation, configuration, troubleshooting and upgrades (hard disk drives, RAM, power supplies, cards [ie. video, sound, modem, etc.], and peripherals [ie. printers/plotters, KVM switches, UPSs, Smart Boards, etc.]
  - Generated new disk images for new models of computers Acronis software, imaged computers as necessary, and initiated automated backups as necessary.
- Provided software orientation for end users
- Generated purchase request documentation and consultation for I.T. department purchases
- Created technical documentation to assist with specific processes and applications as needed
- Maintained asset inventory and tracking utilizing an asset inventory database

- TCP/IP Network Support:
  - Physical design, installation, troubleshooting, and hardware upgrades
  - Implemented and continually updated security policies.
  - Helped design and set up private network for a location utilizing a system supplied with Windows Server 2003 and configured it for DHCP and file sharing.
- Initiated the process of generating disk images for each model of computer in the inventory using Acronis software, imaged computers as necessary, and set up automated back ups
- Built and maintained redundant file sharing system utilizing a RAID configuration to facilitate remote and reliable access to critical data
- Cable fabrication (Fiber Optic/Coaxial/Modular/Ethernet/Multi-Conductor), cable routing, equipment installation, testing/troubleshooting of equipment, field changes, and on-site installation for both submarine and surface ship communication systems
- Trained new employees and was team lead for cable fabrication, cable routing, and equipment installation

<u>AWARDS</u>

- *08/2013* **LCE Above and Beyond   Presented by Michael Hoyt, LCE Project Manager**
- *02/2013* **LCE Above and Beyond   Presented by Michael Hoyt, LCE Project Manager**
- *02/2013* **LCE Job Well Done   Presented by Erick Iverson, LCE Program Manager**
- *03/2010* **QNA Employee Award   Presented by Emmett Combs, QinetiQ-NA Program Manager**
- *12/2009* **QNA Employee Award   Presented by David Hamburger, QinetiQ-NA Program Manager**
- *10/2008* **QNA Employee Award   Presented by David Hamburger, QinetiQ-NA Program Manager**
- *09/2008* **Letter of Appreciation   Presented by Sherrie Carroll, Stanley Material Handling Analyst**
- *06/2007* **Letter of Appreciation   Presented by Wayde Walker, SPAWAR Code 61000 IT Manager**
- *12/2006* **Honeywell Bravo Award Presented by Erwin Oeller, T-AKE Project Manager**
- *01/2006* **Honeywell Bravo Award Presented by Paul Schendel, HTSI Program Manager**