

# Mitchell Turner

DevOps Engineer, Solutions Architect

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## EXPERIENCE

### **ThreatConnect, Remote, NC — Sr. DevOps Engineer**

DECEMBER 2015 - PRESENT

Full ownership of multiple Fortune 100, Federal and International production AWS deployments as well as our public PaaS offering. Several cross team areas of responsibility including infrastructure management for QA, core development, third-party integrations, and various other organizations.

- CI/CD with Docker, Gitlab and Jenkins
- Deployment and operations of JBoss, MySQL, HANA, and ElasticSearch
- Deliver Virtual Appliance(OVA) to sales team enabling on-premise demonstration deployments in well under 1 hour
- Adapt original deployment model to support horizontal scaling
- Migrate all production deployments and dependencies to Docker
- Ansible fully manages all stages of production deployment
- End to end monitoring via Elastic Stack, Telegraf and Grafana
- Work with senior management to provide production issue insight and internal R&D infrastructure support
- Provide support for critical on-premise deployment issues. Guide customers through migration, disaster recovery and scaling scenarios

### **BroadPlex, Morganton, NC — Systems Engineer**

DECEMBER 2013 - DECEMBER 2015

Responsible for planning and build out of multi-site data center infrastructure for regional Layer 2 WAN provider.

- EMC VNX and XtremeIO Storage Systems
- VMware vSphere
- Brocade and Cisco core switching
- Deployed long-range gigabit wireless link across the Intracoastal Waterway in Eastern NC
- Developed geo-aware field asset ticketing system using node, jQuery and Bootstrap

## SKILLS

Problem Solving

Linux

Docker

AWS

## ONLINE

<https://github.com/xandout>

<https://www.linkedin.com/in/turnermitchell>

## **Dacentec, Lenoir, NC — Senior Network Engineer**

JULY 2012 - DECEMBER 2013

Responsible for build out and support of over 700 customer networks including server/OS provisioning and initial configuration. Assist in rack layout and cable routing for 25,000 sqft facility. Developed internal tools to automate interactions with ARIN as well as network configuration generation.

- Developed several in-house tools to facilitate faster delivery and ensure consistent configuration and NOC visibility, reducing churn
- Engineering/Launch of VPS hosting product group, OpenVZ
- Custom system integration development for OTS billing and provisioning platform

## **PC Paramedix, Western NC — Lead Technician**

MAY 2009 - JULY 2012

Managed PC repair shop in Western North Carolina. My responsibilities included customer interaction, employee training as well as diagnostics and repair for both home users and small businesses in the area.

In my time with this company, we saw our business grow substantially, so much so that the owner purchased a much larger building support more equipment and staff.

## **Turner Tech Repair, US — SMB Consulting, Consumer Technical Support**

MAY 2009 - DECEMBER 2015

Provided local SMBs with equipment purchase, deployment and maintenance from the telco demarc to the end user's keyboard.

Built a sustained consumer level customer base with word of mouth and small scale Facebook advertising.

- LAN setup for < 50 host networks
- P2V migration for Windows based, single server environments to gain the portability and backup benefits provided by virtualization.
- Direct support of customer's employees to resolve business blocking technical problems.
- Repair various electronics for home users, such as DVRs, tablets, cell phones, and other end-user devices.

## CURRENT AREAS OF FOCUS AND TESTING

Kubernetes: Currently run ancillary services on 3 node cluster, rook.io storage, kubernetes/ingress-nginx. Running ES cluster, Logstash, Kibana, InfluxDB and Grafana

LinuxKit, CoreOS SDK, Alpine Linux: for building lightweight, specialized execution environments

OpenJDK, in light of Oracle's licensing change

Improving Ansible dev-test-debug loop

## CERTIFICATIONS

**VMware Certified Associate, Datacenter Virtualization**

DECEMBER 2013