

## Myles McNamara



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<http://about.smyl.es>

# Myles McNamara

## Systems Administrator

**I am currently a Project Manager @ TransCore  
and the CEO and Founder of Host Tornado**

I have an obsession with technology, innovation, creation, and reverse-engineering. Technology is a passion that has become my life. I have a thirst for knowledge that is never ending, and is only fueled by the passion I have for any challenges presented to me. The broad range of experience I have has allowed me to become very versatile, and productive in almost any given circumstances.

## Personal Information

**Date of birth**

April 27th, 1985

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# Employment

2009 - Now

## CEO & Founder @ Host Tornado

from 2009 to present day

### Summary and History

Founded Host Tornado in 2009 after being fed up with hosting companies that did not provide what they promised. After making sure customer support was one of our top priorities and providing quality hosting services, we now have servers located in three different data centers across the USA, and one in France. We offer fully managed services to all of our clients which means we handle pretty much everything for them. Whether it's domain name registration, SSL certificates, RoR setups, troubleshooting, etc, we handle it. Our services are trusted by both public users, corporations and governments across the USA and Europe.

2006 - Now

## Project Manager @ TransCore

from 2006 to present day

### Summary and History

Hired as the first ITS specialist in Orlando to maintain iFlorida RFID project. Along with Area Manager and Vice President helped to create and maintain construction and engineering division which in the last 6+ years has brought in over 10M in revenue. Over the past 7 years was responsible at one time or another for virtually every aspect of business. Including but not limited to, project management, software development, hardware development, integration, troubleshooting, networking, network design, server management, project design, construction, and more...

2004 - 2006

## Journeyman Electrician @ Southerland Electrical Solutions

from May 2004 to 2006

### Summary and History

Started as electricians helper for Residential and Commercial electrical installations, and service calls. Was promoted to run my own crew and began process of becoming a Journeyman Electrician. Completed 100+ full residential electrical rough-in and trim installations. Completed numerous commercial and residential service calls, repairs, troubleshooting, etc.

2000- 2003

**Game Room Technician @ Andretti Speed Lab**

from 2000 to 2003

**Summary and History**

Responsible for maintaining, repairing and troubleshooting every aspect of arcade games and POS terminals. Helped install and maintain over 100 arcade games and custom key software and readers.

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**Work Experience**

2009 - now

**CEO @ Host Tornado**

from 2009 to present day

**Job Duties and Experience**

Complete Linux Server Management, Configuration, Technical Support, Client Relations, Provisioning, Troubleshooting, Licensing, and Configuration, both RHEL and Debian. Developed internal software to maintain shared server environment stability and monitor for malware. Proudly hosting and supporting both public and government servers. Multiple years experience in Intrusion Detection and Prevention, and everything else you can imagine that would come along with a fully managed hosting company. From 2009 until mid-2012 was 100% responsible for entire company, including client support, setup, management, monitoring, etc.

Shared hosting servers setup using CentOS6 running cPanel with a CloudLinux kernel. VPS servers are setup running either CentOS6 or Debian6. Virtualization technologies used include OpenVZ, Xen, KVM (Qemu), LXC, etc. Log files monitored and analyzed using either Splunk or Logzilla. Servers monitored using Zabbix and Observium. Automation handled using Puppet.

2009 - now

**Systems Administrator @ TransCore**

from 2010 to present

**Project Responsibilities and Experience**

Systems/Network Administrator and Technician for Orlando Orange County Expressway Authority.

Responsible for performing SunGuide, DMS, CCTV, and NMS server updates, repairs, maintenance, and troubleshooting. RAID

array rebuilds, monitoring, and repairs/replacements. Successfully diagnosed and repaired numerous problems including network problems, Windows 2003 memory leaks, firmware bugs, etc.

2006 - now

## **Systems Administrator @ TransCore**

from 2006 to present

### **Project Responsibilities and Experience**

Responsible for providing complete IT consulting to City of Lakeland Traffic Engineering Department. Responsible for maintaining multiple Dell PowerEdge servers running both Windows and Linux. Software included Cameleon CCTV Control Software, Internally Developed TranSuite Software, Fedora server for remote access and com to field devices, as well as Barco Video Wall server and hardware. Configured and maintain SonicWall VPN, and other network components such as RuggedCom L2 Swtiches, and Foundry (now Brocade) Switches and Routers (including blades). Network topology consists of 7 master hubs with Foundry Big Iron 8000 routers on a 1Gbps fiber optic backbone with (12) 100Mbps fiber optic connections in a ring topology. Network utilizes layer 2 VLANs for isolation and RSTP for redundancy with layer 3 utilizing OSPF. Current network has fiber optic uplinks to FDOT District 7, Lakeland Police Department, and Polk County EOC.

2012 - 2012

## **Network Administrator @ TransCore**

from 2012 to 2012

### **Project Responsibilities and Experience**

Setup, Configured and Optimized City of Tampa Wireless CCTV Multicast Network before Republican National Convention. Project consisted of RuggedCom Layer 2 Switches, Encom/Mikrotik and Microhard 4.9/2.4/5.0 Ghz Radios, and Brocade Switches and Routers. Project encompassed the entire city limits with backbone nodes located on Bank of America, Marriott, County Center, etc. Also assisted with troubleshooting DragonWave PTP link between USF and Coast Guard Converted City of St Petersburg entire CCTV network from Unicast to Multicast, integrating existing Barco Video Wall to decode streams. Project consisted of Encom/Mikrotik and Canopy PTP400 Radios, as well as Etherwan and Dell L2 Swtiches. Setup and deployed complete PTZ control for all cameras using Cohu's WinMPC software and custom configured scripts and software. Configured and converted Barco Video Wall from analog to digital streams. Reconfigured entire Video Wall to support new multicast network and removed all existing Pinellas County settings and configurations.

2011 - 2012

## Lead Integrator/Manager @ TransCore

from 2010 to 2011

### Project Responsibilities and Experience

Integration lead on 1M+ OOCEA 599-503 project with 4 direct report technicians. Team configured and installed ~20 Sirit RFID 900 Mhz systems along OOCEA's 408 and 417. Responsible for planning, MOT, integration, and deployment of RFID, CCTV, UPS, RPM, and RuggedCom Layer 2 1Gbps switches on a 1Gbps fiber optic ring network using Extreme Routers and Switches spanning the entire City of Orlando. Specifically chosen for numerous projects contracted to TransCore by Miller Electric, TCD, Gerelco, and other contractors to install, configure, and help pass CCTV, RFID, VDS, UPS, RPM, RuggedCom and other ITS inspections to complete projects.

2010 - 2011

## Project Manager @ TransCore

from 2010 to 2011

### Project Responsibilities and Experience

Project Manager for multiple Traffic Signal installation projects for FDOT, Volusia County, Osceola County as well as multiple TransCore TTS (Travel Time System) projects for government agencies such as Lee County and Florida's Turnpike Enterprise. Responsible for submittals, invoicing, plan review, and any other documentation requested by the agency the work was being done for. Acted as both Project Manager and Superintendent on multiple traffic signal installs, including thousands of feet of fiber installation both single and multi-mode.

Travel Time Projects consisted of new TransCore E5 RFID equipment using linux based controllers. Version 1 of controllers ran on linux SBC using Ruby on Rails as the software backend. Helped to troubleshoot and develop software and hardware revisions. Version 2 of controller ran off WRT controller and was programmed in LUA.

2009 - 2010

## Deputy Project Manager @ TransCore

from 2009 to 2010

### Project Responsibilities and Experience

Deputy Project Manager for FDOT E5N22 contract. Project consisted of 23 CCTV concrete pole installations and integration along I-75 corridor from I-75 @ Florida's Turnpike heading north and included Vicon CCTV cameras, Firetide 5Ghz Mesh Wireless Radios, VBrick Encoders, and Wavetronix VDS. Power provided

by local POCO's or Solar Panels. Personally proposed using different cabinet than the standard 336 to allow the ability to install all solar equipment in same cabinet as all other equipment. With the approval of FDOT I was able to save TransCore 10k per solar location. Personally supervised, coordinated, and trained technicians for install of all CCTV locations and equipment.

2006 - 2008

## **ITS Specialist @ TransCore**

from 2006 to 2008

### **Project Experience and Summary**

First ITS specialist hired in Orlando to maintain iFlorida RFID project. iFlorida RFID project consisted of TransCore proprietary RF equipment and custom developed linux software running on an Axiomtek SBC (Single Board Computer). Management of devices was through web based interface running on linux "controller" for each device location. Each controller would communicate over fiber network to a central Windows Server 2003 creating an open socket connection on a specified port. Data would be transmitted through this open TCP connection for analysis on the server.

Responsible for repairing, troubleshooting, and cloning (hard drives) devices as needed. Both device and server hardware/software. Also responsible for local office backup tape documentation, replacement, and management.

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## **Education**

2003 - 2004

### **University of Georgia Southern**

from 2003 to 2004

#### **Area of Study and History**

After graduating high school in 2003, began attending Georgia Southern University working towards an Information Technology degree. After showing my existing knowledge in Intro to Web Design class was able to complete final (which was website) and no longer attend the class after only one month. Per the teachers request would come in once or twice a month to help other students in the class. Unfortunately due to financial reasons after 1 year I was no longer able to attend college.

1999 - 2003

### **Roswell High School**

from 1999 to 2003

## Summary and Classes

Senior year of High School I was picked along with 4 other students out of the entire school to join an "Intro to IT" class taught by the school's System Administrator. After completing the CompTIA A+ certification in this class we were tasked with working on the schools network and teachers computers that needed repair or troubleshooting.

Another class I took senior year was Programming. This class was a Visual Basics class which I had already become very fluent in while creating my own VB apps starting as far back as a freshman. After the 2nd week of class I was able to take my final and work on my own personal projects for the remainder of the year. I would commonly help other students in the class as the teacher was only able to help one student at a time. I would commonly be requested by the teacher to be excused from classes such as Gym, and Intro to IT to help students in the Programming class during that period.

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## Skills

### Development

#### Programming

##### Languages

Bash, Expect, HTML5, CSS3, javaScript, jQuery, JSON, PHP, Python, Visual Basics (Excel), RoR (minimal), Ruby (minimal)

##### CMS

Wordpress, Joomla

##### Version Control

Git, SVN, Bazaar (minimal)

##### IDE's

Sublime Text 2, Komodo IDE7, Netbeans

### Setup, Manage, and Troubleshoot

#### Operating Systems

RHEL5, RHEL6, CentOS 5, CentOS 6, Debian 5, Debian 6, Ubuntu, Linux Mint, Fedora, Windows XP, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008, Windows Server 2012, Android 2.0 - 4.2

#### Data Center and Networking

**Hardware**

Cisco, Brocade (Foundry), Extreme Networks, Mikrotik, Ubiquity Networks, Firetide Wireless, Bridgewave Wireless, RuggedCom, Etherwan, Dell, HP, SuperMicro, SuperGoose (IT Watch Dogs), SonicWall VPN (now Dell)

**ITS Hardware**

TransCore E5, Sirit, iMpath, VBrick, Cohu, Vicon, Wavetronix, Solar, Skyline DMS, Daktronics DMS, Barco Video Wall, Jupiter Video Wall, Crestron

**Traffic Signals****Construction and  
Technology**

Mast Arm, Span Wire, Peek, Naztec, Eagle/Siemens, Iteris, TS1, TS2, 2070

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**Hobbies**

Movies , Music , Music Festivals, Camping, Baseball, Video games, Traveling, Cooking

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