

Overview:

Has more than three decades of IT and consulting experience spanning industries which include utilities, energy, defense, agriculture, mining, healthcare, manufacturing, retail, technology and professional services. Also has public sector experience in transportation, healthcare, government and education.

As an IT Consultant at Cogent IBS, he provided expert opinion concerning defect management as well as configuration and development. Some of his other past client works includes Orbit Broadband Inc., Queensland Health, Hobby Lobby, General Mills, Samsonite, SAP America, Mission Foods, Shell Oil, Coca Cola, Adobe Systems Inc., Kimberly Clark Corporation, ADC Telecommunications and Lockheed Martin.

He has a degree in Management Development from Louisiana State University, a degree in Industrial Engineering from Southwest Missouri State University and a degree in Information Technology from Southwest Baptist Bible College. He also has numerous years of training in application development, programming and Agile Scrum Methodology.

Experience:**Mosko Realty - The Bahamas Islands****2016 - Current****Migration of Bahamas Real Estate MLS from IDX Central to new custom web application**

In April 2016, Mosko Realty with sales offices located in Nassau and Freeport Bahamas requested an RFP

for the design, development and hosting of a custom real estate management web portal that would provide fast and reliable web services to North America with a focus on The Bahama Islands. The portal solution was developed on the LEMP stack using Amazon Cloud and Vultr cloud hosting services and Cloudflare DNS, CDN and security services. The Caribbean reliability and performance goals were accomplished by locating reverse-proxy caching and REDIS database cache services in the Vultr Miami FL and New York NY data centers with data sync accomplished near real-time by PHP scripts triggered by CRON jobs.

Australia Auto Network, Sydney Australia**3/2013 - 8/2013****Migration of Australia based online car hire and sales organization**

Migration of car hire quotation, reservation management, CRM and Accounting systems infrastructure from the OPMC and RCM Sydney data centers to multiple cloud service providers. The data center consolidation resulted in a cloud-based landscape consisting of 18 virtual machines providing the following service migrations:

- Linux based BIND DNS servers located in Sydney and Auckland to cloud-based Cloudflare global clustered DNS service.
- Windows 2008 Server running IIS .NET Rental Car Manager (RCM) quotation and booking engine application to new cloud-based VM instances on Amazon Cloud EC2 servers.
- Windows 2008 Server based Microsoft Dynamics 4.0 CRM system migration and upgrade to Dynamics 2011 on an Amazon Cloud VM EC2 instance.
- WHM/CPanel web servers on CentOS to a new WHM/CPanel cluster of servers on Rackspace VM and Amazon EC2 VM instances located in datacenters in Amsterdam, Frankfurt, London, Paris, Singapore and Sydney. The new WHM/CPanel cluster was optimized for application acceleration and caching by using reverse proxy for static CSS, javascript and image content.

- Migration of Sydney-based Microsoft Exchange Server to Amazon Cloud VM EC2 instance, also version upgrade to 2013.
- Setup of new Solarwinds system on Rackspace Cloud Server VM instance to perform network performance monitoring and alerts messaging to administrators and managers.
- Setup of new Rackspace Cloud Files on SSL for secure storage and delivery of online payment transaction details to customers, sales, accounting and merchant processing services.

Media Monitors®

2006 - 2009 Harlingen, Texas

Data center migration and management of signal capture equipment to record and re-broadcast regional cable plant programming and regional terrestrial broadcast station programming including AM, FM, UHF and VHF bands from the South Texas Internet (STI) data center in Los Fresnos TX to Orbit Broadband Inc. (OBB) data center in Harlingen, TX. This migration included both radio and television receivers with Analog to Digital converters, cable DOCSIS, audio and video encoders, SAN and dedicated Cisco router to dedicated leased line provided by Media Monitors®.

This migration also included the installation of tower mounted directional antennas to optimize the signal quality for recording. The recorded and re-broadcast programming was used for national advertising companies to remotely verify the occurrence and quality in regional rural areas.

The data center TCP/IP endpoint equipment was setup for monitoring on the existing Solarwinds system and configured for SMS and email alerts to OBB technicians, management and Media Monitors® technical staff.

Orbit Broadband Inc.

2001 - 2009 - Harlingen, Texas

Telecommunications Data center migration from Springfield MO to Harlingen TX.

Orbit Broadband (OBB) was originally established in Springfield MO in 2001 as a "last mile" for national business class DSL and T1 Service Provider with the Springfield internet gateways sourced from Earthlink and New Edge Networks. In 2004-05, broadband sales growth and demand for high speed internet service in the Rio Grande Valley in South Texas demanded a new data center be established to support the transition of existing DSL and T1 business customers to dedicated microwave link (DML) wireless connectivity for commercial customers on the FCC licensed 3.5ghz/5.2ghz bands and for public sector and including public safety customers on the FCC Licensed 4.9ghz band.

This data center migration and upgrade was primarily telecommunication networking equipment with the migration of subscriber accounts from DSL PPPoE authentication to DML using PPTP authentication to establish private VPN network connectivity to each subscriber premise with 128-bit AES military grade encryption by new DML equipment purchased from Motorola. The remainder of the migration included servers and application for the network operations center, accounting and help desk.

The following is the scope details of the data center migration:

- Replacement of existing Core Cisco 3600 series gateway routers with new Imagestream Linux gateway routers with all new routing tables configuration for the new 3gb gateway provided by Grande Communications with a 1gb cross connection gateway provided by Foremost Technologies.
- Replacement of existing Windows Datacenter Servers providing root DNS services with new linux-based Mikrotik level 5 RouterOS® for root DNS services for all datacenter servers, P2P backhauls, and DSL/DML subscribers. Redundant DNS service was provided using OBB

hardware co-located with Hotzone Networks, a partner ISP with data centers located in Kingsville and Corpus Christi, TX.

- New installation of Imagestream Rebel series appliances for FCC CALEA compliance with lawful intercept for law enforcement agencies.
- Migration of Windows based servers running the MailEnable® Enterprise email application. This migration was accomplished without service interruption.
- Replacement of Windows based web hosting servers running the Ensim hosting control panel application with Linux servers running WHM/CPanel hosting control panel. This required a significant effort to migrate all customer domains and email accounts. This migration was accomplished with minimal service interruption.
- Replacement of Cobalt RaQ™ web hosting appliances with Linux based servers running WHM/CPanel hosting control panel. This required a significant effort to migrate all customer domains and email accounts. This migration was accomplished with minimal service interruption.
- Migration of the billing system server running the Platypus ISP billing software application from Springfield, MO to Harlingen, TX. The server hardware and software was reconfigured for new network connectivity, new remittance address, new Texas sales tax rates, new laser printers, new help desk users and new DML service plans. This migration was accomplished without disrupting the monthly billing cycle and the maintenance of new, changed or cancelled subscribers.
- Migration of the CRM application Kayako used for helpdesk and trouble ticket management. This migration was accomplished without service interruption. This server and application required minimal re-configuration for the network adapter settings, local contact details for customer support, MX records for email SMTP server, help desk and technician user accounts and knowledge base for new DML service.
- Replaced the end-point monitoring software WhatsUp Gold by Ipswitch with Solarwinds and reconfigured for all endpoint devices and configured sms & email alerts for technicians, helpdesk staff and management team. This migration was accomplished without service interruption.
- Provisioning of point-to-point backbone relay microwave links with new Mikrotik edge routers at 22 cell tower locations in South Texas. Each tower location was provisioned with the following:
 - Redundant 800mb microwave point-to-point backhaul microwave radios.
 - Redundant Mikrotik routerboards running level 5 RouterOS.
 - Redundant high-temperature managed gigabit switches.
 - CacheMara transparent reverse caching servers on rugged industrial class server hardware.
 - Diesel genset with 12-hour backup battery system.
 - Internet IP-Enabled Remote Power Reboot Switch for each router and server.
 - Wifi hotspot with hidden SSID and VPN-only access for technician connectivity from service vehicle during extreme weather.