Chris Moody

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I am interested in remote-work / telecommute arrangements only at this time and am available for limited travel (post pandemic).

Senior Architect/Engineer looking for a long term, progressively responsible position in Architecture, Engineering, Analysis, Design, or Consulting where I can use my skills and education to make a positive impact. I have a penchant for automation and am adept at applying these skills to large networks.

EXPERIENCE   09/17 – present]   Cloud/Network Architect & Consultant - Node-Nine, Inc.

Environment: Node-Nine is a consultancy focused on developing cutting edge technologies and platforms to streamline and automate today's IT platforms and products.

Technologies:
- VMware ESXi & VCSA 7.0
- Xen Server
- Nested/virtual VMware ESXi 7.0
- Nested/virtual Xen Server
- AWS / DigitalOcean / public & private clouds
- Terraform
- Cloudstack
- Salt automated provisioning
- HAProxy / Apache / NGINX
- Multi-vendor firewalls
- FreeIPA (AAA / LDAP)
- RabbitMQ / AMQP
- PowerDNS
- FreeNAS / TrueNAS / ZFS
- Cisco Wireless (WLC & lw-AP's)
- GNS3 / eve-ng net modeling
- Asterisk VoIP
- Cisco Prime Infrastructure
- Graphite / Grafana
- NetDisco automated net inventory
- LibreNMS monitoring
- Nagios / Naemon / Icinga
- custom Nagios monitoring plugins
- custom scripting perl/php/bash
- Cisco ACS
- Cisco Firepower (NGFW)

09/15 – 09/2017]   Cloud Architect / Sr. Engineer: M5 Hosting

Duties: M5 Hosting is a small hosting provider in the San Diego region that has goals to expand their portfolio and footprint to scale to meet the global demands of modern technology needs. My primary role at M5 was to build, grow, and optimize M5's public and private cloud offerings. As such, I re-architected their entire infrastructure footprint to better embrace automation and DevOps style management and operations. Some highlights include my implementation of high-availability and redundancy for core infrastructure services and components, centralized AAA services, and defense-in-depth security topologies.

Technologies:
- CloudStack   - Nginx   - HAProxy - Nagios   - Citrix Xen Server   - NetDisco
- Observium   - RANCID - VMWare ESXi   - Graphite   - Multi-vendor firewalls
- FreeRADIUS   - Puppet - Cloudian Object Storage   - NexentaStor
- Galera H/A MariaDB   - RedHat / Ubuntu / BSDs
- Managed services for customer hosts, networks, and offerings.

01/09 – 08/15]   Senior Engineer: Intuit, Inc.

Duties: Operating an environment with as much financial data value as Intuit is no small feat. In this capacity, I had Sr. engineering roles in multiple teams as my cross-disciplinary expertise lends itself strongly to a variety of technologies. I was a senior engineer for networking, virtualization, automation, and systems. I operated almost entirely in a self directed capacity across multiple technology realms.

Technologies:
- Cisco platforms – all flavors and sizes including Cisco Nexus
- Cisco PIX, ASA, FWSM Firewalls
- Juniper Netscreen and SRX Firewalls   - Juniper routers
- F5 Load Balancers
- Checkpoint (on Crossbeam) Firewalls   - NTP Infrastructure
- Anycast Service Delivery
- DNS Management and automation   - Bind (v9) Servers
- Radius / TACACS (AAA)
- Virtualization (VMWare, AWS, and other private cloud offerings)
- SNMP Management & Monitoring
- Syslog Infrastructure (syslog-ng, rsyslog, and splunk)
- Traffic Analysis technologies (netflow & span (opnet))
- Linux and UNIX (primarily RedHat, Oracle Linux, and Solaris)
- Network Service monitoring (DNS, AAA, VPNs, and more...)
- Nagios & Custom Development to automate various monitoring and tools
- Rails, php, MySQL, postgres, and multiple other web technology stack development

Some project highlights from my tenure at Intuit include:

- Enterprise AAA architecture, implementation & migration off legacy authentication-platforms.
- I designed, developed, tested, and implemented an enterprise-wide restructuring of aging AAA infrastructure.
- I single handedly managed and delivered the full life-cycle of this complex roll-out from issue identifications and project proposal through implementation and operation.
- Custom monitoring utilities
- custom monitoring instances for data not available via typical means such as SNMP
- Cisco Nexus monitoring (FEX Counts, FEX power supply status, MAC table counts, etc)
- AAA services monitoring (active authentication attempts to validate services operational as well as

service health checks)
- SRX nat table monitoring (watch xlate tables for resource exhaustion)
- Custom scripting for Automation, Data Extraction, & Reporting
- I deliver scripts and outputs for any type of data or metric that needs extracted from network devices
- I frequently develop utilities to handle administrative and data collection tasks.
- A number of these routines are then used to automate certain processes and configurations.

- Syslog Aggregator architecture, design, implementation, & support.
- I architected and implemented an enterprise-wide logging solution for network equipment.
  This solution offers surgical precision for forwarding logs and triggering actions based on logs
- This platform empowers the CIS organization by giving them real-time feeds of firewall log data worldwide.
  They had never before had this visibility.
- This platform also empowers business unit groups as it enables them to get forwarded feeds for their related
  application traffic from load-balancer logs.

02/08 – 01/09]   Senior Network Engineer / Consultant: Booz Allen Hamilton

Duties: I was responsible for providing consulting services for Department of Defense clients. Having been hired as a
               Subject Matter Expert, this role entailed writing white-papers regarding network and Internet related
               technologies, analyzing complex client networks and services, and providing architecture and security
               guidance for large-scale enterprise and Government systems and networks. I was a key-player in the
               engineering and build-assurance components of the Navy's One-Net architecture and migration efforts and
               developed multiple parser routines and applications to facilitate rapid analysis of network designs. My belief
               is that with a little development effort, processes and procedures can be automated and streamlined to provide
               rapid analysis and turn-around for client deliverables.

11/03 – 02/08]   Senior Network Engineer: Qualcomm, Inc.

Environment: Qualcomm's network has its roots in the San Diego campus, with connections spanning the planet. Data
               Centers, DMZs, Building Networks, Remote Offices, Partner Networks, Backup Sites, and more are all part of
               the mesh of connections enabling the company to thrive.

Duties: As a Corporate Senior Network Engineer, I was responsible for tier-3 (end to end) support of all networking
               facets for the company's newest and most dynamic Business Unit, along with all company-wide needs as
               well. I have provided network design, implementation, maintenance, and support for this group since their
               inception (3 switches and a pix) through growth into a nation-wide carrier-grade service provider (over 200
               remote sites and multiple data centers providing content and services). My day to day activities included
               Firewall engineering, CSS requests, DNS requests, Customer support and application diagnosis, VPNs,
               Authentication Services, Network Security, VoIP, Service Monitoring, and the list goes on. I worked on the
               implementation and streamlining of "housekeeping" services across the company network. By automating
               the processes and procedures required for full "integration" of equipment into the environment, I was able to
               provide a relief to fellow engineers in regards to tracking and maintaining all the ancillary components
               necessary to make a network thrive. My development efforts also aided the company's team of monitoring
               personnel, in that I was able to help streamline the day to day operations of several of the company's tools.
               These tools included Cacti, eHealth, Spectrum, HPOV, Swatch, Nagios, CiscoWorks, and more. I developed
               software routines to perform SNMP-based network device configuration normalization, password
               recoveries, and other management which complemented the monitoring infrastructure by providing
               always-accurate inventories and device settings.

Technologies: - Cisco platforms ranging from 800 series CPE devices to 6500 series modular chassis
               - Cisco CSS Load Balancers   - IPv6 deployment and support
               - Cisco PIX, ASA, FWSM Firewalls   - NBAD & NetFlow Traffic Analysis technologies
               - Cisco GSS redundancy systems   - Cisco VPN3000 Series Concentrators
               - Juniper ISG Firewalls   - Netscalar Load Balancers
               - Caymas SSL Gateways   - Checkpoint (on Crossbeam) Firewalls
               - NetID DNS Servers   - Bind (v9) Servers
               - Radius / TACACS / RSA (AAA)   - Syslog Infrastructure (syslog-ng)
               - NTP Infrastructure   - Anycast Service Delivery
               - Intrusion Prevention Systems
               - New Product testing / evaluation / and deployment
               - Linux and UNIX (Gentoo, RedHat, SuSE, Solaris, OpenBSD, and more)