
Infrastructure & Security Architecture

Accomplished and detail-oriented professional with extensive experience administering full-scope infrastructure and security architecture functions.

Stellar history of leveraging expertise in *nix- and NT-based operating systems, Firewalls, LAN/WAN administration, and enterprise WLANs to devise bespoke solutions for clients and organizations. Proven success leading and training teams on SOPs and industry best practices. Instrumental in upholding administration of corporate security standards and policies. Adept at driving vendor relationships to secure lasting and favorable terms, as well as liaising with critical clients to ensure clientele. Strong record of utilizing off-the-shelf, as well as custom builds to create and institute sound security software.

Highlights of Expertise

- Global Deployments
- System-wide Migrations
- Client Retention & Servicing
- Private/Public/Hybrid/NG Cloud+DC
- Security Architecture
- Process Improvements
- Vendor Management
- Contractual Negotiation

Career Experience

United States Space Force – Section 31 – San Diego, CA / Atlanta, GA

Spearhead greenfield buildout of Classified, Highly Redundant, Highly Secured/Monitored/Logged buildout of processes and infrastructure to support the requirement of architecting a fully autonomous and highly secured build process for the United States Space Force and United States DoD (Civilian Contractor)

Systems Specialist II (2019 to 12/2020)

Leverage expertise over areas specifically around the way in which data is secured, audited, and authenticated against.

- Worked with various DoD Security teams as we built out the DevSecOps process per the specs of the two Liasons / Ranking Officers in the Space Force / DoD Infosec realm.
- Led full-scope implementation of unique SaaS, shell provider, penetration testing, hosting provider framework with emphasis on secure implementation of bleeding/cutting edge technologies.
- Worked with various departments inside DoD to do interviews (many with non-technical participants on the Government side) – and turn those interviews into both technical requirements, as well as help our audiences understand exactly what the topic was, as these were very complicated and layered systems.
- Worked with various vendors to manage Space Force contracts, work on use cases, case studies, and overall vendor relations.
- Utilized multiple technologies for solutions; from standard OSSEC-HIDS software to custom scripts to traditional FWs (traditional and NG).
- Devised customized setups by utilizing a variety of hardware, software, and SDN/SDDC – FedRAMP, AWS, GCP, Azure, etc

Anonbrands/Anonshells LLC – Atlanta GA

Spearhead end-to-end technological/management operations for the company by providing hands-on leadership and direction, while building necessary relationships, and solving complex problems for multifaceted clientele.

CEO (2016 to Present)

Leverage expertise over Cloudflare Access and Cloudflare Argo to solve origin obfuscation issues, and provide extremely secure intranet/internet access to assets with reporting multiple back-ends and reporting platforms. Drive endeavors to establish encryption frameworks for clients not already using a PKI infrastructure, to working with clients' development teams to implement custom solutions with TOR and revolving keys. Build custom and bespoke security solutions by utilizing a variety of encryption techniques, tunneling technologies, and BGP. Deploy solutions in real-time by leveraging proprietary technology from OVH (vRack v1-current) using Nova/Openstack/OpenNebula API. Oversee vendor negotiation for all facets of the business (Bandwidth, IP allocation, storage, providers, etc.)

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- Secured profitable deals with Rapid7, Protonmail, OVH, Leaseweb, Bitninja, Incapsula, etc.; beta tested and stress tested products for said client (Under NDA).
- Led full-scope implementation of unique SaaS, shell provider, penetration testing, hosting provider framework with emphasis on secure implementation of bleeding/cutting edge technologies.
- Partnered with Cloudflare, Akamai, and Incapsula in the space of mitigation, protection, and secure ecosystems.
- Orchestrated deployment of VoIP SIP based phone system for company members and contractors.
- Utilized multiple technologies for solutions; from standard OSSEC-HIDS software to custom scripts to traditional FWs (traditional and NG).
- Devised customized setups by utilizing a variety of hardware, software, and SDN/SDDC.
- Built strong relations with Cloudflare due to their robust product offering, and served as Cloudflare SME across all product lines for both internal uses, as well as consultative offerings.

Aerohive Networks – Sunnyvale, CA

Steer full-scope technical support engineering functions, as well as handling critical high-dollar and high-touch cases for the organization.

SENIOR TECHNICAL SUPPORT ENGINEER (TIER 3) (2014 to 2016)

Drove robust initiatives to ensure client retention by traveling frequently and establishing lasting relationships. Reproduced customer issues and file bugs, and devising high-level RF designs and troubleshooting issues. Handle Linux-based Element systems/Linux-based proprietary OS, and management systems, as well as PoC and SE work with extensive travel.

- Coordinated with Tier1 and Tier2 engineers to help train, as well as help with escalations.
- Served as expert-level on all Aerohive Product Lines - Wireless Access Points - 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac.

NSPI/PCM – Atlanta, GA

Administered overall security engineering functions, as well as handling life-cycle of security consulting for Marquee/Fortune 500 Clients.

SR. NETWORK ARCHITECT (2012 to 2013)

Oversaw major project work on a data-center build focused on a high-profile demanding client; met all deadlines within fiscal constraints. Leveraged multiple tools and SE (Metasploit, Nessus, Backtrack, Kali, nmap) to conduct penetration testing for clients. Provided consulting and remedial all security concerns identified during Pen Test over all technologies (Layers 1-7). Headed all large WLAN deployments (1000+ nodes) by using technologies such as Aerohive, Cisco WLAN (+Meraki), and Juniper Wireless (Trapeze).

- Designated SME for 802.11 / RF, while facilitating other members of AF Services/PC Mall with internal 802.11 (a/b/g/n) projects, and RF issues.
- Led project work centered around highly-virtualized exchange, SQL, and environments with Cisco core with extensive zero downtime.

Britt/Paulk Insurance Und. – Carrollton, GA

Orchestrated complete overhaul of IT infrastructure, spanning creation of a new virtual environment (ESX 5.1), implementation of SAN technology/backup procedures (B2D, B2T, and WAN replication), and consolidation of web services on varied platforms

PRINCIPLE NETWORK ARCHITECT (2010 to 2012)

Supervised all telco/VoIP vendor negotiations and deployment of VoIP solution for users in the US, as well as European and Asian operations by securing favorable terms. Led WLAN implementation from 'fat APs' to controller-less cloud-managed wireless model. Collaborated with developers/web-developers to streamline outdated processes.

- Served as principle engineer for a complex Windows network with 1,500+ system users/1,500+ exchange users.
- Ensured effective implementation of Kaseya systems management server, deployed to 1000+ network devices to enable remote management, cost cutting, and reduction of feet on the street.
- Led the complete migration from an outside-managed Aruba wireless network to an in-house Aerohive solution.
- Oversaw design/configuration of all DR/Backup procedures for 50+ TB of data by using BTD, replications via spanned VLANs, and tape.

ADDITIONAL EXPERIENCE

Senior Infrastructure Architect/Solutions Architect ▪ LPL Financial Services, Fort Mill, SC | **Senior Security Engineer** ▪ Milestone Systems, Atlanta, GA | **Interim Director of Information Technology** ▪ Conway Data. Norcross, GA | **Network Engineer** ▪ Contract work, Carrollton, GA | **Network Engineer/Technology Consultant** ▪ ANTG, Inc Roswell, GA | **Contractor/Network Engineer** ▪ SolvIT, Inc. Atlanta, GA | **Content Coordinator** ▪ Planet3 Wireless Bremen, GA | **Network Engineer** ▪ Insol, Inc. Atlanta, GA | **Network Manager** ▪ MunicipalTrade.com, Atlanta, GA and Insol, Inc., Atlanta, GA | **Network Analyst** ▪ Sentinel Technologies, Inc., Norcross, GA | **Internet Systems Engineer** ▪ Systems & Methods, Inc., Carrollton, GA

Credentials

Professional Development: Certified as a Novell CNA 3.12/4.11., Cisco CCNA, Certified as a CWNA (Certified Wireless Network Administrator), Trained on Allworx and ShoreTel VoIP Solutions, Certified on Aerohive platforms up to current version

Technical Proficiencies: AWS APN Member + AWS Startup Program (AWS Activate), UNIX/Linux (SmartOS/Joyent, CentOS 6/7, Debian 8 (and variants), Ubuntu, Arch, BSD, Open Indiana) – 20+ years in-depth Linux/Unix/BSD experience + networking, Kali/BackTrack builds of Linux, Nessus, Snort, MSF, NSE, Scripting abilities including Python2.7/3.x, Perl, Ruby, etc.

Affiliations: Google Cloud Startup Member (On track for Google Professional Cloud Network Architect by 2020), Voting member of RIPE, Neustar International Security Council Member