**Summary of Work Experience**

More than 20 years of experience in system analysis, administration and security for regional Internet service providers, Web hosting firms and the Federal government (NASA/ACF/HHS). Strong background in Solaris, Linux, and BSD variants and hardware troubleshooting. Experience in training and support of multiple enterprise class network operating centers. A genuine appreciation for operating systems, and security, as well as automation, penetration testing and vulnerability mitigation. Obtained CISSP certification in 2021.

**Work Experience**

**Information Systems Security Engineer – ACF / HHS – CVP** December 2017 – Present

Hired by CVP to continue working at the Administration for Children and Families (ACF) under the Cybersecurity contract that began December 1, 2017. Responsible for the security of the 2 ACF Server environments: Linux and Windows servers on the VMWare platform in their physical data center and the Virtual Windows and Linux environments in their Amazon/AWS Virtual Private Cloud. Other responsibilities include building STIG-hardened RHEL and Amazon Linux OSs for use by the operations team in both environments, providing Nessus scan results and mitigation guidance to the Operations team and ISSOs and CISO. Secure Application Design guidance for the Operations and ISSO teams working on ATOs for new and existing ACF applications and sites, managing the McAfee Epo, Crowdstrike, AlertLogic HIDS, building and maintaining the ACF Splunk installation. Other projects include python scripts to integrate AWS and VMWare inventories with Nessus, import assets/IP/host data into RSA Archer, and proof of concepts using newer technologies such as Ansible, Terraform, and Packer to automate builds of STIG hardened AMIs in AWS

**Senior Linux Administrator – ACF / DHHS – AcisTek Corporation** July 2017 – December 2017

Administration of all Linux systems in the ACF data center and AWS environments while supporting the ACF (Federal Customer), their internal and external web and database applications and other contracts, and all ACF regional offices in the U.S., Employing skills in maintaining the complex array of Apache/Nginx/Web cache, Oracle Application/WebLogic and Oracle Database servers on physical and virtual servers running RHEL on VMWare and AWS platforms.

**Senior UNIX System Administrator – NASA HQ – ADNET Systems** 2013-2017

As a member of NASA HQ Server Operations team, provided support for all UNIX servers in the NASA HQ Computer Center (NHCC) consisting of Solaris and RHEL servers - Physical and Virtual (with VMWare ESX) and generally monitoring all systems on site with Nagios and Solarwinds. NASA HQ has 2000+ users itself and also serves all of the agency’s remote offices/space centers.

Administration tasks also included- Quickly responding to user and server issues, providing solutions, and reporting in a timely fashion, as well as helpdesk tickets called in by HQ users (Remedy ticketing system) Performing system patching on NASA HQ’s schedule. Performing deployment/archival of custom applications and websites, Performing deployment/decommissioning of system hardware

Managing DNS, web services (SunONE/Iplanet & Apache), ColdFusion servers, email and distribution list servers (Sendmail, Postfix, MailMan), system user accounts, system backup & recovery (NetBackup)

Writing SOPs for various Operations procedures and Change Requests to perform production system modifications under the agency Change Management procedures. Working with other NASA departments/branches of the HITSS contract to provide exceptional service to the NASA customer.

Also worked on long term projects of migrating applications from (Solaris) physical servers to (Linux) virtual servers and cloud-based systems/AWS, migrating all websites to https/SSL, and working to mitigate all security issues found in monthly scans of our systems.

**UNIX System Administrator – ACF/DHHS - Global Tunnels Limited Company** 2006–2013

Provided server and network administration support for Federal ACF/DHHS contract, to maintain their Washington DC data center environment’s array of Web/Apache, Oracle Application and Oracle Database servers as well as the Documentum CMS Software system running on physical Solaris and Red Hat Linux servers and began transitioning them to virtual servers on VMWare/Hyper-V.

**Systems Administrator – AiNET, Inc**  2004–2006

As the sole Senior System Administrator/Network Engineer for AiNET on site, installed, administered, and maintained over 200 Servers, desktops, routers, and switches on the AiNET network. Provisioned and implemented all systems at the regional datacenters. Maintained DNS, Web services, and network monitoring services using BIND, Apache, MySQL, postgreSQL, Nagios. Provided 24/7 on-call support to Network Operations Center and assisted with individual client requests. Required to act autonomously to ensure all aspects of network operations run with near zero downtime.

**UNIX Engineer -** **Atlantech Online** 2002–2004

Acted as technical lead in the deployment and administration of e-mail and Web services, and with the provisioning and deployment of all collocated and dedicated severs and their related resources. Administered Windows/FreeBSD/Linux shared hosting environments. Documented company procedures to streamline knowledge transfer process. Lead Administrator of the private backup network handing 125 clients of various operating systems and platforms and expanded knowledge of system administration to also include Windows 2000, 2003, and XP platforms.

**UNIX Server Engineer - DigitalNATION/Verio Inc.** 1999–2001

Monitored internal and client hardware including Cobalt, WindowsNT, Solaris, Linux, and BSD servers. Involved in troubleshooting of common TCP/IP & software misconfigurations and acted as assistant to Network Engineers during denial-of-service attacks and routing issues. Produced documentation for hardware RAID configurations and OS installations. Promoted to team leader of Sun Server Provisioning, and then promoted to UNIX Administrator as well as trained technicians for Solaris server provisioning and administration.

**Technical Summary**

Certifications: CISSP - 2021, Security+ 2018

Hardware: Cisco & Juniper Routers, Sun SPARC/ULTRA Servers, RAID (1,5,6,10), Dell and HP

Programming languages: Experience with Perl, PHP, Bash, JAVA, C++, Python, Ruby

Operating Systems: FreeBSD, OpenBSD, Red hat Enterprise Linux, CentOS, Solaris 2.5-10, VMware, VirtualBox, Amazon Linux and AWS cli and Infrastructure, Kali Linux and Metasploit framework

Server Software: Apache, OpenSSH/SSL, MySQL, postgreSQL, Bind, Nagios, Sendmail, Postfix, CommuniGate, VERITAS NetBackup, CrowdStrike, McAfee AV, Tripwire, Oracle Web Cache, WebLogic Application Server, Database Server, Documentum CMS

**Education**

Computer Science Curriculum, University of Maryland University College, 2005

Mechanical Engineering and Computer Science Curriculum, University of Maryland, College Park, 1995-1999

Sun Solaris Administrator Certification Training, Levels 1, 2, 3 – 2000

Security + Certification – December 2018

CISSP Certification – February 2021

**Security Clearance Levels and Status**

Successfully undergone a public trust investigation (e.g., SF 85P, national agency check, fingerprint card submission) and has been, and remains at the time of submission of this resume, deemed suitable by ACF/HHS for a position of public trust, computer/automated data processing (ADP), sensitive and non-sensitive.

**References:**

References are available upon request.