

Skills / Proficiencies

Cybersecurity / DevSecOps

- RMF (Risk Management Framework)
- Integrating Static Application Security Testing (SAST) tools into CI/CD pipeline
- Performing vulnerability scanning and planning, prioritizing, and implementing remediations for system and software vulnerabilities
- Track CVE releases and plan, prioritize, implement and manage remediation efforts
- Server and service monitoring using ELK, Zabbix, Nagios, and Cacti
- System auditing and forensics
- Build automation with Jenkins

Artificial Intelligence (AI)

- Large Language Model deployment with Ollama, Gollama and LM Studio
- Advanced prompt engineering to generate high-fidelity technical documents, cybersecurity policies, user guides, training videos, advertisements and copy reducing production time by over 80%
- Developing AI-generated financial research reports analyzing SEC filings, press releases, earnings releases, and market data to produce investment grade analyses and forecast models
- Leveraging AI agents to perform deep dive technical research consolidating findings into concise deliverables for leadership and engineering teams

Cloud / Virtualization

- Cloud provisioning and deployment with Terraform and Ansible
- Cloud server administration using Amazon Web Services (AWS) and Google Cloud platform
- Configuration automation using Ansible and Puppet
- Building and administering containerized applications and managing with Docker / Podman / Kubernetes
- Server virtualization using VMware ESXi with and without vSphere, KVM/Qemu, Oracle VirtualBox, Proxmox and Xen

Linux Administration

- Red Hat Enterprise Linux, Debian and Ubuntu installation and configuration to DISA / NIST security standards and industry best practices
- Installation, configuration and administration of:
 - Application Servers: Red Hat JBoss, Apache Tomcat
 - Databases: Accumulo, Oracle Database, MySQL / MariaDB, Postgresql, Redis and MongoDB
 - Linux Services: Apache HTTPd, Postfix, Squid, Nginx, Samba, Bind, firewalld, iptables
 - Other: Elasticsearch / Opensearch, Zookeeper, Hadoop / HDFS
- Storage Administration
 - Linux LVM, multi-device / RAID and iSCSI initiator configuration and target configuration using tgt and TargetCLI
 - Administration of NFS and iSCSI

Network Engineering

- Networking (TCP/IP, Ethernet, DSL, Frame Relay, VLAN, CDP, STP, RIPv1&2, IGRP, EIGRP, OSPF, IS-IS, BGPv4, EBGp, etc.) and network wiring
- Cisco router, Catalyst and Nexus switch (layer 2 and 3) secure configuration and troubleshooting
- Brocade BigIron / FastIron, Dell Force10 / PowerConnect, Mellanox, 3Com, Unifi and SMC switch configuration and troubleshooting
- Firewall configuration and troubleshooting including Cisco ASA / PIX, IPTables, firewalld, SonicWall, and OPNSense
- Wi-Fi configuration and security
- Print server configuration and troubleshooting of network printing problems
- Layer 2, 3 encryption and encrypted VPN technologies

Programming / Development

- Agile / SAFe project management with Atlassian Jira and Redmine
- Languages: C, C++, Python, SQL, HTML5, Bash
- Configuration management and version control using Git / Gitlab, Subversion and Mercurial
- Object Oriented Analysis and Design / Object Oriented Programming
- SQL and relational database design

Technical Writing

- User Guides / Admin Guides / Training Guides
- Cybersecurity related documentation such as Acceptable Use Policies (AUP), Disaster Recovery Plans (DRP), Mobile Device Management Policies, Continuity of Operations Plans (COOP), etc.
- Software Development Documentation, such as Software Test Plans / Descriptions (STP/STD), Software Requirements Specifications (SRS), and Software Version Descriptions (SVD)

Experience

Parsons Corp.

Senior Cybersecurity Engineer, *January 2019 - Present*

- Plan, prioritize, and implement fixes and remediations for system and software vulnerabilities in support of RMF activities
- Perform vulnerability scanning with government approved COTS scanners and work to automate same within CI/CD pipeline
- Track weekly IAVM / CVE releases and plan, prioritize, implement and track remediations
- Work closely with SCAs during A&A and V&V events to effectively demonstrate compliance with requirements and build trust relationships
- Author, update and maintain RMF supporting documentation and contract deliverables
- Developed system level security policies for Linux services such as firewalld, selinux and fapolicyd
- Design and implement Ansible playbooks / roles and custom scripts to automate the remediation of software vulnerabilities and integrate with approved open-source playbooks and libraries to efficiently achieve the highest possible compliance
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Senior DevOps Engineer, *January 2019 - Present*

- Create, maintain and troubleshoot Jenkins build jobs and troubleshoot issues with the CI/CD pipeline utilizing Git, Jenkins and Sonatype Nexus
- Design and implement Ansible playbooks / roles and custom scripts to automate the cloud deployment of Parsons internally developed software, as well as supporting software, such as Docker, Kubernetes, Postgresql, Cloudshark, MySQL/MariaDB, Kafka, Zookeeper, Accumulo, Tomcat, Elasticsearch, and MongoDB
- Build and maintain custom Docker container images
- Design, develop and maintain internal tools used by developers, QA, and DevOps personnel
- Troubleshoot and repair deployment and operational issues with Parsons internally developed and supporting software
- Develop and maintain software deployment guides and confluence pages for internally developed software

CyOne, Inc.

Senior Cybersecurity Architect, *December 2015 – October 2019*

- Designed and implemented auditing solution for D-CAT using Elasticsearch, Logstash and Kibana (ELK)
- Analyzed, assessed and refined the cybersecurity posture of D-CAT, a prototype US Army database system designed to replace DCGS-A V3
- Designed and authored Puppet modules to assure the secure configuration of component machines running Red Hat Enterprise Linux, as well as automate the installation and configuration of component software (e.g., MongoDB Enterprise, Elasticsearch, JBoss, etc.)
- Generated and provided artifacts to facilitate system accreditation utilizing DOD RMF

Senior Systems Engineer, *April 2016 – January 2018*

- Managed software maintenance and development activities for DSS (DCGS Single Source), including coordinating the activities of developers as well as fulfilling reporting requirements of prime contractor
- Work with government POC to evaluate and prioritize bugs and coordinate bug fixes with developers
- Generated, updated and modified all system documentation, including, but not limited to, Users' Guides, Software Test Plans / Descriptions (STP/STD), Maintenance Guides, Software Version Description (SVD), Software Design Description (SDD), and diagrams and drawings
- Authored automated deployment scripts for Puppet 4 and oversaw software deployment
- Provide Integration and DevOps support for DCGS-A Single Source
- Released first operational version of Single Source for DCGS-A

Vistronix, Inc.

Senior Systems Engineer, *June 2012 – December 2015*

- Designed and built custom controller node for FusionIO all flash storage array based on Red Hat Enterprise Linux and created customized installation media
- Performing integration and design on US Army DCGS-A IPC-2 IaaS private cloud based on Red Hat Enterprise Linux
- Designed and implemented network configuration of IPC-2 cloud computing cluster and provided CONUS on-site and remote support
- Performed integration on US Army DCGS Edgenode system, a miniature version of the DCGS Standard Cloud system, utilizing a wide variety of technologies, including Hadoop, Accumulo, Ganglia, Condor, Puppet, Fedora Cobbler, JBoss, MySQL and Nagios, running on Red Hat Enterprise Linux
- Designed and implemented numerous custom Puppet modules and a scalable, highly efficient Puppet node classifier to facilitate the provisioning of network servers with Puppet open source
- Designed and implemented several programs written in Python, including 'Gather', to query information from remote servers and generate documentation and 'cexec', a utility for remotely running commands on sets of remote servers, and SwitchConfig which automatically configures and updates network devices
- Designed and implemented numerous Bash shell scripts to facilitate the administration of Red Hat Enterprise Linux
- Researched and built prototype HA IAAS solution utilizing OpenNebula, KVM, and VMware ESXi / vCenter and distributed file systems (GFS2 / Glusterfs)
- Built and administered provisioning servers using Fedora Cobbler and Puppet Opensource, a Zabbix network monitoring server as well as associated MySQL servers, and numerous web servers running JBoss and Apache Tomcat

Certifications

- Amazon AWS Certified Cloud Practitioner
- CompTIA Security+ GFL

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Darryl E. Blonski

DevSecOps / Cybersecurity / Linux Administration

Manalapan,
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- ISC2 CISSP (ISC2 Member ID: 586343)
- Red Hat Certified Engineer (RHCE) (ID: 110-263-563)
- Red Hat Certified Specialist in Security: Linux (ID: 110-263-563)

Education

Monmouth University (Sept. 2002 – May 2005)
Earned a Master of Science in Software Engineering

Montclair State University (Sept. 1995 – Dec. 2000)
Earned a Bachelor of Science in Computer Science

Stevens Institute of Technology (May 2002 – Sept. 2002)
Took several graduate-level courses on Encryption and Information Security

Security Clearance

Top Secret, SCI (Active)