
Technical Skills

Cloud	AWS, GCP
OS	Linux, Solaris, Windows, Vmware
Database	PostgreSQL, MySQL, RDS
Scripting	Bash, PHP, Python
Networking	Routing & Switching, Wireless, VOIP, VPN
Security	Backtrack/Kali Linux, Nessus, Retina, Firewalls
Other	Apache, Weblogic, Git, Nginx, Docker, Terraform, Ansible, Packer, Inspec, Kubernetes

Experience

- 2017–2019 **Senior DevSecOps Engineer**, CIPHERTRACE, Remote.
- Migrated EC2 and ECS instances to EKS and GKE Kubernetes clusters.
 - Migrated over 210 repositories to a monorepo, allowing for faster development and atomic commits.
 - Deployed over 20 different types of cryptocurrency nodes to ec2, docker and kubernetes. Managed over 300 blockchain nodes.
 - Managed over 700 EC2 instances, 120 Lambdas, 6 ECS clusters, 5 EKS clusters, 3 GKE clusters across 15 aws regions, 2 GCP regions
 - Setup and maintained multiple AWS services including EC2, Lambda, S3, EFS, RDS, DynamoDB, ElastiCache, MCS, Organizations, Cloudwatch, CloudTrail, Config, Systems manager, CodePipeline, CodeBuild, CodeDeploy, EMR, ElasticSearch, Data Pipeline, IAM,
- 2017–2019 **Director of IT Operations**, QUESTIS, Charleston, SC.
- Moved Questis SAAS platform from Heroku to AWS ECS and docker and HA architecture
 - Designed Node and Python Microservice architecture with Kong API Gateway.
 - Designed and implemented CI/CD pipeline with Jenkins and Gitlab
 - Automated Infrastructure with Terraform, Packer, Ansible, Inspec
 - Migrated 9 repos to a monorepo with full git history
 - Scaled Production application from 1100 users to over 130,000 users
- 2016–2017 **Lead Systems and Network Engineer**, CACI INTERNATIONAL, Charleston, SC.
- Scripted a complete infrastructure deployment of AWS using Terraform including multiple regions and auto-scaling best practices
 - Developed training material and provided cross training to other engineers on how to read and understand Terraform scripting
 - Developed and configured CACI lab environment supporting 6 DoD projects and 350+ users
 - Developed openvpn web interface for VPN access for multiple projects
- 2014–2016 **Lead Systems and Network Engineer**, STRATEGIC OPERATIONAL SOLUTIONS, Charleston, SC.
- Design and implement Operating system and Application solutions supporting eDTRM for Joint Chief of Staff
 - Design and Maintain DevOps environment supporting eDTRM, CBP, NAVFAC and other development team supporting over 450 virtual servers
 - Migrate 250+ users from Exchange to Google Apps for Work, reducing monthly cost by 50%
 - Scaled infrastructure from 1 server with 8 virtual machines to 40 servers with over 450 VMs
 - Implemented version control, document repository, central authentication, logging and update servers.

- 2013–2014 **Sr. Systems Integrator**, LIFE CYCLE ENGINEERING, Charleston, SC.
- Provided Linux and Weblogic expertise to further project initiatives and goals
 - Identified several memory leaks in application and assisted development teams with resolution
 - Co-authored Weblogic performance and HA optimizations plan, reducing downtime and improving stability
 - Developed multiple scripts for automation of application deployment allowing for faster recovery and error reduction
- 2007–2013 **Lead Systems Engineer**, SPAWAR, Charleston, SC.
- Developed and maintained DoD First Net-Centric Intelligence Integration Backbone
 - Maintained Solaris 10 environment including patching, hardening and accrediting 30+ servers
 - Interfaced with multiple agencies including NSA, CIA, DHS, and DoD to achieve DCGS intelligence sharing
 - Migrated DCGS-N from Solaris 10 Sparc to Rhel 5 Virtual Machines; migrated Oracle databases, Jboss Application servers, Authentication servers and other supporting servers
 - Completed DCGS-N Block 1.5 hardware/software upgrade, enabling virtualization, high availability, and redundancy
 - Improved system security 65% via Red-Hat Enterprise 5.x hardened installation, including STIG, DCID6/3, DoDI8500.2, and NSS-1253 recommendations and best practices
- 2011–2012 **Subject Matter Expert**, RED LAMBDA, Orlando, FL.
- Designed and Implemented QA website for submission/tracking of test requests, results, change requests, and mind mapping
 - Assessed requirements for customer integration and conducted gap analysis regarding pre-established big data solution providers
 - Engineered API testing infrastructure of Metagrid stress testing
 - Authored security test plan for Red Lambda, Inc. for increased logical and physical security
 - Developed MetaGrid requirements analysis for Ret. General Clapper of USDI (Under Secretary of Defense for Intelligence) and DNI (Director of National Intelligence)
- 2006–2007 **Firewall/Network Tech**, L3 COMMUNICATIONS, Shaw AFB.
- Developed automated upgrade for 50+ remote Sidewinder G2 firewalls
 - Authored installation material for Symantec Mail Security and Solaris 9 for External Mail Gateways
 - Engineered local update program for 200+ BlueCoat SG proxy appliances
 - Created Anti-Virus Definition Monitoring script, providing real-time definition status for 20+ remote sites
- 2002–2006 **Systems/Network Tech**, U.S. AIR FORCE, Worldwide Venue.
- Engineered and configured multiple management servers, increasing storage 96% and speed 87%
 - Authored fiber test plan, 20,000+ strands of fiber; boosting troubleshooting and planning effectiveness 90%
 - Implemented plan to locate and eliminate rogue wireless access devices reducing vulnerabilities by 30%
 - Project Lead for Moody AFB \$2.8M wireless project, installing 250+ key devices and delivering \$50K in cost savings
 - Maintained 60+ Taclane KG-175 and KIV-7 bulk encryption devices supporting 5,000+ users

Education/Certifications

- 2020 Amazon AWS – Certified Solutions Architect - Professional
- 2019 Amazon AWS – Certified Solutions Architect - Associate
- 2019 Amazon AWS – SysOps Administrator - Associate
- 2013 VMware VCA – Data Center Virtualization (VCA-DCV)
- 2008 Certified Information Systems Security Professional(CISSP)
- 2007 Microsoft Certified System Engineer (MCSE)
- 2007 Cisco Certified Network Associate (CCNA) – exp