

REY SAEED

AWS Certified solutions architect | CompTIA Security+ | TS clearance

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Check out my IT/DSO writings!

Ω medium.com/@rsaeebiz

TECHNICAL ACUMEN

Core DevOps Tools	Docker • Git • Gitlab CI/CD • Github Actions
DevOps Automation Tools	Ansible • Docker-compose • Terraform • Kubernetes (K8/K3s) • Docker Swarm
Cloud Providers & Tools	AWS (IAM, VPCs, EC2, S3, Athena, RDS, ECR, ECS, EKS, Lambda, SQS, SNS, etc.)
Databases	MySQL/MariaDB • PostgreSQL
Networking	Windows Server (DNS, DHCP, Defender Firewall) • CISCO router and switch configuration
Operating Systems	Windows Server 2012+ • All Windows Desktop • Most Debian-derived distros (ubuntu, kali, etc.) • RHEL/centOS
Languages	Python • Perl • Bash • PowerShell
Other Tools	Elastic Stack (ELK) • Hyper-V • VMware

EDUCATION

University of West Florida ▪ Bachelors of Science - Information Technology ▪ 2018-2022

EXPERIENCE

Anyar Inc. | May 2022 – Present

DevSecOps Engineer:

- Solely developed a first-of-its-kind master/slave VM orchestration tool that automated the install and run process of a complex, defense-grade simulation software. The utility could perform VM creation, disk differencing, network propagation, remote execution, data aggregation, and cleanup across compute hosts. This cut install-to-run time from 8–24 hours to under 100 minutes. This dramatically expanded the accessibility and efficiency of the simulation software, and attracted millions of dollars of interest from research departments across all sectors of the defense industry.
- Architected scalable, replicable, and efficient deployment solutions for applications across varying teams. These were crafted with combinations of: Ansible, Terraform, Docker-compose, Docker swarm, K8s, Python/bash/PowerShell scripts, and more.
- Coded solutions to increase the operational efficiency of DevOps/DataOps workflows. Examples: **(1)** Coded a Python program to streamline the authorization process for analysis dashboards. This application leveraged LDAP to perform user authentication for the visualization stage of a DataOps pipeline. On successful authentication, it established a connection with a corresponding MySQL user to grant data access and automatically created new database users for first-time logins. **(2)** I created Python code that dramatically increased the efficiency of pipeline based data imports into MySQL, boosting the write rate from 200 lines per second to over 1000 lines per second.
- Crafted services/tools to provide CI/CD capabilities beyond what's achievable using on-the-market tools. Example: I developed a service that detected when new versions of specific images are pushed to internal Docker registries, once detected the service would seamlessly modify dependent containers to utilize the updated images.
- Designed a containerized/OS-independent ELK (Elastic) stack solution, a Python-based installer that utilized an Ansible backend to deploy the solution to network machines, and a utility which gave users the ability to modify the active filebeat filters at any given point in time; this utility drastically increased the usability of the ELK stack solution. This solution became an optional feature for our flagship software.
- Built containerized tileservers which leveraged open-source geospatial utilities to automate the conversion of .tif map files to .mbtiles files, and then automatically served them to various data mapping programs.
- Wrote build-test-deploy CI/CD pipelines & configured self-hosted runners for these pipelines.

- Constructed highly customized docker images through Dockerfiles, these images were used as dev environments across multiple teams, for CI/CD runners, and as microservice deployment environments.
- Established container clusters using both docker-swarm and Kubernetes to ensure both complex microservice-based apps & simple hosted services could scale to handle traffic.
- Interviewed, hired, and trained new DSO/IT staff to assist the DSO & IT team on projects.

Systems Administrator/Systems Architect:

- Performed large-scale RAID-enabled installations of bare-metal Linux compute servers (multi-distro) in air-gapped environments, networked and customized these systems to fulfill specific requirements, and deployed new and failover domain controllers.
- Executed cybersecurity audits and implemented fixes to bring domain systems to compliance with DOD standards. To accomplish this I implemented firewall changes, system patching, domain GPOs, DNS cleanups, DHCP cleanups, Active Directory cleanups, etc.
- Deployed and maintained private docker registries, offline package/artifact repositories, private Nextcloud instances, and private Gitlab instances. Developed bash/PowerShell scripts to fully automate processes such as backups and recoveries for the aforementioned instances.

Personal Initiatives to assist with company advancement:

- I wrote a comprehensive DevSecOps/Systems-admin spin-up guide spanning over 100 pages, tailored for new employees. It covered beginner to advanced information on Debian/RHEL Linux (commands, scripting, and system-level knowledge), PowerShell cmdlets, Ansible, Docker, Terraform, Kubernetes, CI/CD pipeline design, networking concepts, systems design, and more. Constantly updated this guide throughout the duration of my employment. This guide was comprehensive enough that it ended up being used by both new and old employees.

PERSONAL PROJECTS

Personal Website : <https://rsaeed.com>

Built a personal static website using HTML, CSS, & JS and hosted it on AWS S3 through a CloudFront distribution for higher security/content availability. Used Route53 for DNS resolution. Set up a Github actions pipeline to automatically update the resume asset on S3 whenever my resume is updated. View it using the link above!

DSO Mentor

Mentored a few new grads/college students (this was unpaid + all online) who wanted to break into DSO.

CERTIFICATIONS & CLEARANCE(S) +

➤ AWS Certified Solutions Architect		Issued April 2024
➤ TS Clearance		Issued 2023
➤ CompTIA Security +		Issued May 2022

OTHER SKILLS

Able to easily manage multiple contracts/projects at a time.
Familiarity with Air-Gapped Environments and procedures.
Good understanding of audit procedures and compliance documentation.
Fair understanding of DOD contract types/proposal writing methodologies.

PERSONAL STRENGTHS

Critical thinking / Problem-solving
Continuous improvement mindset
Excellent at creating documentation
Quick learner / Hghly-adaptable