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SUMMARY

DevOps Engineer/DevSecOps/AWS Cloud Administrator/Linux System Engineer/System Administration experience for 6yrs (overall I.T experience is 7yrs). I also have 6yrs of Windows Administration. I was involved with the planning and engineering of enterprise infrastructure with Virtual Linux Machines. Also in charge of running functional tests on in-house applications. Performed scheduled maintenance, patching over 2000 virtual servers, and Cloud instances. Azure DevOps. Experienced in Deploying/Monitoring applications on servers.

SOFTWARE & TOOLS

Linux (RedHat) (Ubuntu), Oracle, AMRDEC, Splunk, Windows Server 2012 R2, Nagios, Apache, Tomcat, PHP, MySQL, Gradle, Sonar, Package managements such as yum, rpm, apt, Git Hub, GitLab, Jenkins, Jira, New Relic, FogBugz, SharePoint, Bitlocker, Remedy Ticketing System, AWS, Microsoft Azure, WordPress, Confluence, Chaos Monkey, Hipchat, ServiceNow, Maven, Ansible, Puppet, Chef, Nexus, Artifactory, Docker, Slack, VersionOne, HP-Application Lifecycle Management (ALM), Subversion (SVN), Solar Wind, Prometheus and Grafana, Open Shift, Docker, Kubernetes, Kibana, Elastic Search, Ansible, OpenStack, Nextcloud, Mattermost, Iceberg, JupyterHub, Palo Alto, Docker UCP, Docker Swarm, BitBucket,Tenable.io, CloudFlare, DataDog, GaurdDuty, AlieanVault, Terraform, PagerDuty, LastPass, Code Pipeline, Sophos, CodeSignal, Visual Studio Code, Inspector, Atlassian Suit, ArgoCD, ChatGPT, Okta, Paulse Secure, Splunk, Saltstack, mainframe application, z/OS Server , Integration scripts with Jenkin

LANGUAGES

Shell Programming, Java, Visual Basic, Ruby, Bash, Python, Perl, Php, Yaml, Powershell

TRAINING

Intense Linux/Unix Systems Administration training equivalent to 4 years college degree by Howard University, And Linux Academy,

CERTIFICATES

Linux Essentials
AWS Competency Essentials
Cloud Migration Fundamentals
DEVOPS Essentials
Cyber Security Awareness

CLEARANCE LIST

Public Trust, and Secret Clearance

Lockheed Martin, (Remote)
DevSecOps/Sr AWS Administrator
01/2022 - present

- Developed CloudWatch scripts for custom log monitoring on windows AWS ec2 instances
- Installed cloudWatch agent on windows US-Gov-Cloud environments.
- Decommissioned over 30 ec2 instances with the best practice and compliance for Gov-Cloud environments.
- Designed and implemented automated CI/CD pipelines in OpenShift, integrating with Jenkins and GitLab for seamless code deployment and rollback.
- Automated application deployment, scaling, and management using Docker and Kubernetes, improving system efficiency and uptime.
- Developed CI/CD pipelines using GitLab, Jenkins, and CodePipeline to streamline software delivery and reduce release times.
- Implemented and managed Nexus repository for efficient artifact storage and retrieval.
- Configured and maintained SonarQube for continuous code quality analysis, ensuring high standards in software development.
- Orchestrated Kafka clusters, optimizing message streaming and communication across distributed systems.
- Collaborated with development teams to integrate Nexus, SonarQube, and Kafka seamlessly into the CI/CD pipeline.
- Automated deployment processes, enhancing efficiency and reliability using DevOps best practices for Nexus, SonarQube, and Kafka.
- Monitored and optimized the performance of Nexus, SonarQube, and Kafka through proactive troubleshooting and tuning.
- Ensured security and compliance standards were met for artifact management, code analysis, and message streaming.
- Documented and maintained configurations for Nexus, SonarQube, and Kafka, facilitating seamless knowledge transfer within the team.
- Implemented and managed AWS cloud infrastructure, reducing operational costs by 40%.
- Collaborated with development teams to discuss, analyze, and resolve usability issues and helped develop coding standards.
- Used Prometheus and Grafana for monitoring applications and infrastructure.
- Administered Oracle database systems and utilized Oracle Enterprise Manager for efficient management.
- Administered AWS resources, including EC2, RDS, S3, and IAM, ensuring optimal service operation.
- Orchestrated and managed containerized applications using OpenShift, ensuring efficient resource utilization and scalability.
- Extensive experience in configuring and maintaining RHEL servers in enterprise environments, ensuring high availability and optimal performance.
- Strong knowledge of RHEL security and hardening practices, including implementing SELinux policies to safeguard critical systems.
- Skilled in automating system administration tasks on RHEL using Ansible, Puppet, or other automation tools, streamlining operations and minimizing manual intervention.
- Expertise in troubleshooting and resolving issues in RHEL, utilizing in-depth knowledge to maintain the integrity of systems.
- Proficiency in managing RHEL software packages using RPM and YUM, ensuring consistency and reliability in software installations.
- Utilized Terraform for infrastructure automation, decreasing provisioning time by 50%.
- Managed network configurations, security controls, and storage solutions in AWS.
- Monitored AWS resources using CloudWatch and DataDog to ensure uptime and performance.
- Implemented security best practices in AWS, including GuardDuty, Tenable.io, and CloudFlare.
- Implemented Docker and Kubernetes platforms for application deployment, which facilitated the containerization and micro-services architecture leading to a more efficient

and streamlined workflow. The solution resulted in a significant reduction of deployment failures and increased the efficiency of the development process by 60%.

- Proficient in AWS cloud services, with a strong emphasis on infrastructure as code and automation.
- Extensive experience in managing and deploying applications on AWS using Amazon Elastic Kubernetes Service (EKS).
- Successfully led the migration of D2IQ applications to Amazon K8S (EKS) for improved scalability and reliability.
- Implemented CI/CD pipelines using tools like Jenkins, Travis CI, or GitLab CI/CD to automate application deployment and testing.
- Profound knowledge of containerization technologies, including Docker, and container orchestration with Kubernetes.
- Created and maintained infrastructure as code using tools such as Terraform and CloudFormation, ensuring reproducibility and scalability of environments.
- Monitored and maintained the health and performance of EKS clusters, optimizing resource utilization and scaling as needed.
- Implemented and maintained SaltStack configurations to automate server provisioning, configuration management, and application deployment, resulting in a 30% reduction in deployment time.
- Managed SaltStack states and pillars to enforce infrastructure as code (IaC) principles, ensuring consistent and reproducible environments across development, testing, and production.
- Developed custom SaltStack modules and states to address specific infrastructure requirements, enhancing the automation capabilities and optimizing system performance.
- Orchestrated complex deployment workflows using SaltStack reactor systems, enabling seamless integration with continuous integration/continuous deployment (CI/CD) pipelines.
- Collaborated with cross-functional teams to design and implement SaltStack formulas for various applications, ensuring scalable and reliable infrastructure solutions.
- Conducted regular audits of SaltStack configurations to identify and address security vulnerabilities, ensuring compliance with industry best practices and regulatory requirements.
- Troubleshooted and resolved SaltStack-related issues, including configuration drifts, and implemented proactive monitoring to identify potential problems before they impact production environments.
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- Provided training sessions for team members on SaltStack best practices and usage, facilitating knowledge sharing and ensuring a smooth transition to automated infrastructure management.
- Implemented version control for SaltStack states and formulas using Git, enabling versioning, change tracking, and collaboration across the DevOps team.
- Contributed to the creation of documentation for SaltStack configurations, ensuring clear and comprehensive guides for both internal teams and external stakeholders.
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- Designed and orchestrated CI/CD pipelines using GitLab, Jenkins, and AWS CodePipeline. This new automated process minimized human intervention in the development workflow, leading to fewer human errors, faster turnaround time in delivering features, and improvements in productivity by 70%.
- Managed AWS cloud infrastructure by integrating a variety of AWS services (like EC2, S3, RDS) with an emphasis on architectural best-practices, including security management and

cost control. The implementation led to a reduction in operational costs by 40% while ensuring optimal service operation.
- Collaborated closely with development teams in various stages of the software development lifecycle, including design, implementation, and testing. This collaboration resulted in a more streamlined development process, faster troubleshooting of usability issues, and improved coding standards.
- Utilized monitoring tools like Prometheus and Grafana to implement effective monitoring systems. These tools provided valuable insights into the application's performance, allowing the team to react swiftly to any application anomalies or system performance issues.
- Managed Oracle database systems, ensuring data integrity and availability. Utilized Oracle Enterprise Manager for efficient database management, which led to a 30% reduction in database-related issues.

Happy Money, (Remote)
DevSecOps/InfoSec
06/2020 - 01/2022

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- Used Tenable.io VM modules to implement EC2 scanning in all non-prod environments.
- Merged and committed code using Bitbucket following code management best practices.
- Used CloudFlare workers to set up a maintenance page in case of a down time within Happy Money.
- Using Tenable.io Core scans to properly harden our Container images
- Installed Tenable Core in our AWS environment and wrote down the documentation process. Using the Confluence page.
- Azure DevOps environment, utilized Azure repositories for main projects.
- Helped build and maintain an AWS cloud infrastructure architecture aligning security, compliance, performance, and resilience with cost
- Provide expertise & best practices for implementing cloud security(internal) & product security(external)
- Assess architectures & designs for security vulnerabilities & suggest & implement proper alternatives.
- Collaborated with development teams to containerize applications using Docker and orchestrated containerized workloads with SaltStack, optimizing resource utilization and scalability.
- Build, maintain, monitor, audit & report frameworks that produce artifacts that support security & compliance goals.
- Maintain a set of tools that enables developers to self-serve for most operational tasks.
- Added to our CI/CD pipeline and DevOps environment, designing & structuring AWS Infrastructure.
- Develop Terraform scripts to provision resources on AWS as Infrastructure as code
- Writing Terraform module for DDOS and BadBot protection in code for AWS WAF and Shield.
- Deployed multiple AWS clouds resources using Terraform as an IAC tool
- Handle all security aspects in securing their applications.
- Learn & understand new technologies and industry practices
- Implement a standard DEVSECOPS pipeline across multiple application development teams.
- Source code configuration management repository (GitHub, GitLab, and code build).
- Configure continuous integration & continuous development leveraging
- Set up additional CloudFlare DDOS security for our production DNSs

- Altering our CloudFlare Security monitoring in addition to adding and removing DNS names via Jira tickets.
- Contributed to introducing additional tools like CheckMarx to our architectural & infrastructural needs.
- Implement and maintain Amazon Web Services (AWS) infrastructure
- Evaluate tools and technologies to improve Architecture & infrastructure.
- Send a weekly vulnerability list to our DevOps team for remediation.
- I was On-call at any time to respond to PagerDuty Alerts and resolve them. And document every alert for audit reasons.
- Often times investigated PagerDuty Alert and reach out to team members who had triggered it
- Administered Scans for the Log4J vulnerability issues using Cloudflare, Tenable.io, and AWS WAF
- Worked on Fixes to combat Log4J vulnerabilities for our Environments using Terraform Scripts.
- I sent instructions to each account holder responsible for our GitHub repo to update jar files with Log4J vulnerabilities. And kept an excel spreadsheet to update according to the update success.
- Installed AWS WAF version 3 as needed to better secure our environment for Log4J
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, and Docker, on GCP (Google Cloud Platform). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, and test deploy.
- Configured and managed PagerDuty alerts to proactively monitor and respond to incidents and service disruptions.
- Created and maintained on-call schedules and escalation policies in PagerDuty to ensure timely response and resolution of critical incidents.
- Integrated PagerDuty with various monitoring tools, such as Nagios, Zabbix, and New Relic, to enable real-time notifications and incident management.
- Led incident response teams during critical incidents, using PagerDuty to coordinate response activities and communicate with stakeholders.
- Used PagerDuty analytics and reporting to track incident trends and identify areas for improvement in incident response processes.
- Participated in PagerDuty training sessions to stay up-to-date with the latest features and best practices for incident management.
- Worked with cross-functional teams to ensure that PagerDuty alerts and incident response processes are aligned with business needs and service level agreements.
- Troubleshot and resolved PagerDuty-related issues, such as integration failures and notification delays, to minimize downtime and ensure reliable incident management.
- Contributed to the development of incident response playbooks and runbooks, which leverage PagerDuty as a key component of the incident management process.
- Collaborated with stakeholders to review and update PagerDuty policies and procedures, ensuring compliance with industry standards and regulatory requirements.
- Involved in the development of test environments on Docker containers and configuring the Docker containers using Kubernetes.
- Developed microservice onboarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Developed microservice onboarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
- Experience in Deployment Automation & Containerization (Docker, Kubernetes).
- Added and removed software using Terraform script in our get repo
- Updated and changed our environment using YAML code stored in TerraForm
- Developed and deployed a ChatGPT model for customer service chatbot
- Fine-tuned the model to improve its performance on the specific task and industry

- Collaborated with cross-functional teams to integrate the chatbot with the company's systems and platforms
- Contributed to the research on the state-of-the-art language models and their applications
- Developed a language model to generate product descriptions for e-commerce website
- Trained and fine-tuned GPT-2 on a large dataset of product descriptions
- Implemented and evaluated several variations of the model using different techniques and approaches
- Presented the results and insights to the team and management
- Implemented DataDog APM for real-time monitoring and analysis of application performance.
- Configured custom metric tracking to monitor specific KPIs and business-critical transactions.
- Integrated DataDog APM with existing infrastructure and applications to gain end-to-end visibility into performance.
- Set up tracing and request correlation to understand the performance of microservices and distributed systems.
- Utilized log management capabilities to centralize and analyze log data in real-time.
- Automated the process of detecting anomalies and deviations in performance trends.
- Utilized the alerting and notification system to proactively resolve performance issues.
- Customized dashboards to display real-time performance data and provide insights into application behavior.
- Utilized integrations with popular technologies and tools to further enhance monitoring capabilities.
- Scaled the DataDog APM solution to meet the growing demands of the organization and its applications.
- Use Splunk to monitor all projects

Raytheon, Aurora CO
DevOps/Principal Software/Systems Engineer (Contract)
04/2019 - 05/2020

- Used Jira to manage different workflows and manage swarm practices to help teammates. Upcoming patches, and Satellite payload evaluation.
- Merged and committed code using Bitbucket following code management best practices.
- Daily Scrum stand-ups, updating progress on my Jira tickets to my scrum master.
- Peer-reviewed teammates' work using Jira before submitting an approval to close the task.
- Deployed and maintained multiple OpenShift clusters, ensuring high availability and optimal performance across production, staging, and development environments.
- Use Chef Automate to Build cookbooks centered around node state management to ensure the node maintains a specified configuration
- Finding ways to better improve the overall functionality. Such as suggesting that our team get access to Chef Management Console.
- Applying software provisioning to support the mission-software team's infrastructure requirements.
- patching to remain compliant with all security measures.
- Use Jira to manage different workflows for tracking change management activities such as Bitbucket branches, commits, and merges.
- Maintained GIT source code repository and local mirrors, perform branching, tagging, merging, and maintenance tasks for windows host.
- Participated in Cross-team collaboration between different scrum teams.

- Emergency escalations that require immediate attention such as customer-impacting events and painful edge cases
- Pooling down branches to make updates to cookbook versions.
- Used Active Directory to give new employees access to our dev and production environments.
- Now over 5 years of Experience working with Continuous integration building server configurations and management.
- Experience in execution of Functional Testing, Regression Testing, System Testing, Integration Testing, User Acceptance Testing, and related test methodologies.
- Expert in creating stories and reports like JIRA, Mantis, Snagit, and Camtasia.
- Extensively worked in a Scrum environment with active involvement in daily meetings.
- Create team-specific Agile process flow in JIRA to move tasks from one activity to another.
- Investigated various products from Atlassian's JIRA
- Integration of Tempo Time Tracking Tools in JIRA.
- Maintenance of GIT repository for the application and assist developers with establishing and applying appropriate branching, and merging conventions using GIT.
- Splunk to monitor projects throughout duration of contract

OneWeb, Tysons Corner VA
DevOps/Site Reliability Engineer (Contract then Direct hire)
03/2017 - 04/2019

- Used Jira to manage different workflows for the FMS team, Upcoming patches, and Satellite payload evaluation.
- Used Kibana to query logs for in-house applications for troubleshooting and data analysis. Also set up visual data evaluation such as graphs, bar charts, and pie charts for in-depth monitoring.
- Good knowledge and experience in using Elasticsearch, Kibana and Logstash, CloudWatch, Nagios, Splunk, Prometheus, and Grafana for logging and monitoring.
- Assisted the ASTRO team to redirect data to multiple ActiveMQ servers for failover effects
- Deployed code with GitLab to multiple environments for production. In addition to performing hotfixes.
- Set up and maintained Logging and Monitoring subsystems using tools like; Elasticsearch, Kibana, Prometheus, Grafana, and Alertmanager.
- Established infrastructure and service monitoring using Prometheus and Grafana.

- Fixed failed production containers for our environment using Docker UCP and
- Experienced in configuring, managing, and maintaining Palo Alto Networks Firewalls. In addition to monitoring, and reviewing the Palo Alto charts for future troubleshooting and scaling
- Querying Elasticsearch errors to help troubleshoot Docker containers related issues
- Troubleshooting Nomachine connection issues for OPSA and OPSB, OPS1, and UK Production Environments.
- Integrated SaltStack with monitoring tools such as Nagios and Prometheus to provide real-time visibility into system performance and automate incident response procedures.
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- Developing QRH documentation for training Purposes and Information gathering, to ensure I.T best practices.

- Troubleshooting in-house Applications and microservices on the Linux command line, in addition to Ansible-playbook scripts as needed.
- Responsible for over 6 different environments, including production. to provide file management, user management, scheduled maintenance, installation and configuration, documentation, and troubleshooting.
- Made structured, and Ad-Hoc deployment and git-releases using GitLab for multiple environments including production.
- Managed over 2000 servers. our OpenStack cloud servers. Doing rebooting
- Wrote basic file maintenance scripts to help with some of our redundant tasks. Such as deleting files and archiving logs.
- Worked on Docker Maintenance such as searching and killing zombie containers to help increase the all-around productivity of the swarm nodes that are hosting important applications.
- Managing User Accounts Using Active Directory on Windows server for DEV and PROD.
- Integrated OpenShift with monitoring tools like Prometheus and Grafana, and set up centralized logging using Elasticsearch, Fluentd, and Kibana (EFK) stack.
- Updating VPNs access for the whole OneWeb staff including documentation for basic setups and software migration.
- Used LogStash monitoring to identify potential failures and errors for our internal apps, including docker containers.
- Monitoring specified Kibana logs for instant notification of failing containers, and error logs for in-house microservices for a quicker response time in troubleshooting our applications.
- Training new Engineers and monitoring their growth to make sure they meet company standards and best practices for the tasks assigned to them.
- Granting access to the Grafana dashboard to our Orbit Analyst and Controllers. To help them monitor the overall health of some of our microservices used for the orbiting satellites and telemetry.
- Managing and maintaining multiple Kubernetes swarm nodes on our Microservice Environment...
- Actively participated in Scrum meetings, reviews, and developed test scenarios.
- Ability to build deployment, build scripts, and automated solutions using shell scripting and Python.
- Wrote Python Code using Ansible Python API to Automate Cloud Deployment Process.
- Developed Python Modules for Ansible Customizations.
- Set-up Docker authentication to work with Jenkins manage server.
- Determine the root cause, implement solutions, and apply patches to resolve authentication, authorization, performance issues,
- Use of Docker and Kubernetes to manage microservices for the development of continuous integration and continuous delivery.
- Developed CI/CD system with Jenkins on AWS Kubernetes container
- utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy
- Used Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple namespaced versions.
- Implemented Kubernetes to deploy scale, load balance, scale and manage docker containers with multiple namespaced versions.
- Implemented a production-ready, load-balanced, highly available, fault tolerant Kubernetes infrastructure.

- Worked on Hybrid cloud using Kubernetes that supports DEV, TEST, and PROD environments.
- Managed local deployments in Kubernetes, creating a local cluster and deploying application containers.
- Container management using Docker by writing Dockerfiles and set up the automated build on Docker HUB and installed and configured Kubernetes.
- Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker, on AWS. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Azure DevOps

EDUCATION

College Education: Hartford University West Hartford, B.S Biomedical Engineering 2016

References

Available upon request

Other Information

Available for relocation and remote work
US citizen