**Harshitha A**

Email: harshitha94a@gmail.com

Phone: 913-735-7731

LinkedIn: <https://www.linkedin.com/in/harshitha-a-2a4005271/>

With over 9 years of experience in the IT industry, I am an AWS & Azure certified professional skilled in designing, developing, and integrating DevOps tools for cloud platforms like Amazon Web Services and Azure. My expertise is in Terraform, containerization, and automating CI/CD pipelines. Proficient in designing and implementing Cloud Security Solutions, I possess a strong background in Configuration Management, Continuous Integration, and Deployment across Linux and Windows environments. Additionally, I excel in programming languages such as Java, JavaScript, Python, and PowerShell, with hands-on experience in Spring Boot for efficient application development. Furthermore, I am actively seeking opportunities to integrate machine learning models into deployment pipelines, showcasing a proactive stance towards embracing emerging technologies like AI/ML.

**Professional Summary:**

* Designed and deployed applications utilizing a wide range of AWS/Azure services, resulting in cost-effective, fault-tolerant, and highly available systems.
* Resolved pipeline issues and conducted error troubleshooting beyond developers' capabilities, ensuring seamless functionality and minimizing downtime through proactive problem-solving strategies.
* Experienced with a PaaS platform including OpenShift.
* Spearheaded the implementation of **DevSecOps** best practices and deployment methodologies, ensuring seamless integration of security measures throughout the development lifecycle.
* Orchestrated the integration and management of a large-scale **hybrid cloud environment**, seamlessly bridging on-premises infrastructure with public cloud services to optimize resource utilization, scalability, and flexibility
* Participate in on-call rotations and handle incidents related to production systems and services.
* Managed end-to-end dependency resolution processes and signoff procedures, meticulously validating release readiness for production **deployment**, thus maintaining system reliability and stability.
* Immense **DEVOPS** experience with working knowledge in **AWS Cloud, Java, Python, and Various CI/CD tools**
* Experienced in implementing **GitOps** practices to streamline continuous deployment and infrastructure management.
* Worked closely with development, QA, DevOps, and infrastructure teams on performance engineering, design, and testing.
* Exhibited expertise in diagnosing and resolving production issues promptly, ensuring minimal disruption to operations and maximizing system reliability.
* Having knowledge of Container and Orchestration technologies like **Docker** and **Kubernetes**.
* Proficient in steering end-to-end projects from inception till implementation & support including risk & compliance management.
* Enforce security best practices for containerized applications and Kubernetes clusters, including role-based access control (RBAC), network policies, and secrets management.
* Leveraged Pivotal Cloud Foundry (**PCF**) for deploying and managing micro services, fostering development agility and scalability.
* Collaborated efficiently with teams using **GitLab** for version control and **JIRA** for tracking project progress and issues. Also, managed build processes and dependencies using **Maven**.
* Implemented advanced monitoring and analytics solutions with **Dynatrace, AppDynamics, Prometheus, Logstash, Kibana**, and Control-M for optimal performance management.
* Managed AWS services like **RedShift, CloudTrail, Kinesis,** and **Route53**, ensuring high availability and fault tolerance.
* Proficient in using GitHub, including GitHub Actions for CI/CD workflows, and implementing effective branching strategies for version control.
* Developed **AWS Lambda** functions with Python to automate infrastructure tasks, enhancing operational efficiency and ensuring high availability.
* Established testing processes, select appropriate technologies and tools, and implement methodologies primarily based on automated scripts and programs.
* Implemented continuous integration and continuous delivery (CI/CD) pipelines on **GCP** using tools like Cloud Build, **Jenkins**, or **GitLab** CI/CD to streamline software delivery workflows
* Experience in loading data, logs, metrics to **Elasticsearch /AWS OpenSearch** using various beats demon threads.
* Experience in provisioning and implementation of **AWS Infrastructure** using **IAAC (CloudFormation, Terraform).**
* Experience in load and transfer the data from **Elasticsearch** using **KIBANA**, **GRAFANA**, **Logstash**
* Working Experience in automation of DevOps activity using scripting tools **(Python, Bash)**
* Extensively worked with CICD technologies like **Jenkins, Hudson** for End-to-End automation of all build and deployments.
* Proficient in optimizing Milvus for performance by tuning indexing parameters, compression techniques, and query strategies to achieve low-latency and high-throughput data retrieval.
* Implementational knowledge on **AWS Landing zone, AWS Control tower, SNS, Cost Explorer, Guard Duty.**
* Proficient in using Nerdio Manager for Enterprise to automate and manage virtual desktop infrastructure (VDI) environments, ensuring optimal performance and scalability.
* Provided training and support for team members on the effective use of Nerdio, enhancing overall team productivity and VDI management capabilities.
* Provided expert guidance on performance testing using Load Runner and other load testing and monitoring tools.
* Experience in provisioning infrastructure and Backup management using **Terraform** as IAAC.
* Experience in launching Web Application on Webservers like **WebLogic, Tomcat, JBoss**
* Experienced in branching, tagging, and maintaining the version across the environments using SCM tools like **GIT**, **Subversion** (SVN) on Linux and windows platforms.
* Experience Pre-flight builds, Configuration Management, using technologies like **Chef, Ansible.**
* Programing knowledge in Containerizing technologies like **Docker** and **Kubernetes, OpenShift.**
* Configuring **ELK stack** using automation.

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating System** | MS Windows, Unix, Linux |
| **Build Tools** | ANT, Maven, NANT, MS Build, Packer, Whales, Gradle |
| **Ci/CD & Building Tools**  | Jenkins, Azure Pipelines, Harness, Maven, Terraform, Ansible, Chef, Puppet |
| **Version Control Tools** | Subversion, GIT, Perforce, Bitbucket, Github |
| **Database** | MySQL, Cassandra, Amazon RedShift, Amazon DynamoDB, Amazon RDS, Oracle. |
| **Cloud Technologies** | AWS, Microsoft Azure, Google Cloud, Angular |
| **Web Technologies** | HTML, XML, PHP |
| **Testing Tools** | SonarQube, Selenium |
| **Web and Application Servers** | Apache Tomcat, WebSphere, WebLogic, Open Deploy |
| **Scripting Languages** | Shell, Perl, Python, Bash |
| **Monitoring & Logging** | Prometheus, Grafana, Splunk |
| **Collaboration & SCM Tools** | Atlassian Jira, Slack, Git, Subversion |
| **Container Technologies** | Docker, Kubernetes, OpenShift, Mesos, Portainer**,** CI/CD |

**Education:**

* Bachelors of Engineering in Electronics and Communication (2014).
* Masters in Industrial Technology (2019).

**Professional Experience:**

**Client: Brightspeed, NC Oct-2023- Till date**

**Role: Cloud DevOps Engineer**

**Responsibilities:**

* Manage /Lead Team for AWS Migration projects.
* Lead and mentor a group of teams, involved in multiple infrastructure modules.
* Strong experience in **Kubernetes** Engineering
* Experience in **EKS** implementation and Administration
* Experience in Implementation of **Prometheus** and **Grafana** for the Cluster monitoring
* Proficient in various Agile testing methodologies, including Scrum and Extreme Programming (XP), with a strong focus on delivering high-quality software in iterative cycles.
* Architect Administrate **AWS** Cloud services (**Compute, RDS and Monitoring**) for application needs.
* Utilized Infrastructure as Code (**IaC**) tools like Terraform and Azure Resource Manager (ARM) templates to provision and manage **AKS** clusters, ensuring repeatable and scalable infrastructure setups.
* Automated the deployment of Order Management Systems (**OMS**) using CI/CD pipelines, ensuring consistent and reliable software releases across multiple environments.
* Experience in managing and deploying AWS resources using Infrastructure as Code **(IaC)** principles.
* Integrate **Kafta** with CI/CD tools like Jenkins, GitLab CI, and others to trigger actions based on specific events, such as code commits, build completions, or deployment stages.
* Developed and enhanced performance test scripts, incorporating dynamic data handling, parameterization, and correlation to accurately emulate real user behavior.
* Implemented and maintained CI/CD pipelines for SaaS products, streamlining the development and release process to ensure rapid and reliable delivery of new features and updates.
* Implement Cloud compliance and Audit for the AWS Cloud using **Cloud Custodian** tools**.**
* Implementation of CICD for **Kubernetes** Clusters using **Argo CD**
* Implementation of **AKAMAI** rules for CDN
* Used **MM2** in facilitating the migration of Kafka workloads from on-premises environments to the cloud by replicating topics across different environments with minimal downtime.
* Facilitated collaboration among development, QA, and operations teams through Copado, ensuring alignment and transparency throughout the release process.
* Provided proficient **production support** for resolving technical issues and ensuring continuous system functionality, adhering to **SLA**s and minimizing downtime. Implemented proactive monitoring and troubleshooting strategies to maintain system stability and enhance user experience.
* Leveraged the advanced data analysis and visualization capabilities of DataDog, Prometheus, and Splunk to derive actionable insights.
* Worked closely with development, operations, and security teams to define cloud strategies, optimize resource usage, and ensure alignment with business objectives.
* Developed complex Splunk queries using the Search Processing Language (SPL) to extract meaningful insights from data, creating detailed reports and visualizations.
* Expertise in designing IT automation solutions.
* Skilled in using tools like WebSphere ND, MQ, Oracle, Java, SQL (PL/SQL Developer, SQL\*Plus), LDAP, Splunk, and Dynatrace.
* Managed containerized applications using **Rancher,** an open-source container management platform, to deploy, scale, and orchestrate Docker containers across multiple environments.
* Collaborated with cross-functional teams, including QA, Operations, and Product Management, to ensure alignment and support for large-scale development efforts.
* Proficient in integrating testing processes into CI/CD pipelines to enable frequent and reliable software releases, ensuring that tests are executed automatically with every code commit.
* Create Deployment, service manifests for the **Kubernetes** infrastructure.
* Create CICD pipelines using **GITHUB ACTIONS**
* Provided troubleshooting and support for **DevSecOps**-related issues across various environments, including production and pre-production, ensuring uninterrupted workflow and system reliability.
* Integration of APM tools like **AppDynamics** for Application performance monitoring
* Create **Lambda** Functions using python as needed for the Cloud requirements.
* Managed **Nexus** Repository for artifact storage, versioning, and distribution, ensuring efficient dependency management and seamless integration into CI/CD pipelines.
* Create **Ansible** Playbooks for provisioning of the infrastructure according to Application requirement.
* Develop automation for CICD using **Terraform**, **python** for the infrastructure and Application Monitor.
* Develop automation for the AWS platform for various services using **ANSIBLE, PYTHON, TERRAFORM**
* Proficient in solution design and implementation using architectures such as SOA, Event-Driven, MVC, Django, serverless, and Spring frameworks.
* Develop and Implement CICD pipeline for AWS Platform using tools **JENKINS, JENKINS-PIPELINE**
* Developed RESTful APIs for microservices using frameworks such as Spring Boot, Express.js, or Flask, ensuring robust and scalable communication between services.
* Experience with Jira and Confluence and building and deploying foundational Azure environment. Used Azure ARM templets to provision VM and to maintain Azure infrastructure.
* Hands on experience on Azure storage, Blobs, Queues, Tables and CDN. Experience deploy application on Azure.
* Utilized Azure Kubernetes Service (**AKS**) for managed Kubernetes cluster deployment.
* Managed AKS charts using **Helm**, ensuring reproducible builds and managed releases of Helm packages.
* Implemented Microservices with Pivotal Cloud Foundry (PCF) and automated CI/CD pipelines using TeamCity.
* Proficient in scripting languages such as Groovy, Python, Shell, Ruby, Bash, and Perl.
* Experienced with both Linux and Windows operating systems.
* Customized **Ansible modules** for managing **Azure Monitor alarms** during deployments.
* Deployed ASP .NET web applications in Azure using Web App service, connected to Azure SQL Database, and implemented CI/CD pipelines with **VSTS**.
* Proficient in utilizing **Boto3**, the AWS SDK for Python, to automate various AWS services, including **EC2** instance management, **S3** bucket operations, and **Lambda** function deployments, enhancing operational efficiency and reducing manual intervention
* Implemented automated deployment pipelines and continuous integration/continuous deployment (**CI/CD**) workflows on **GCP**, resulting in increased efficiency and reduced deployment times.
* Experience migrating on permeance application to Azure, maintaining CI CD with Azure. Administer and provision infrastructure in AWS environment using automated scripts (e.g. CloudFormation, Ruby, Python, AWS SDK, Ansible).

**Environment:** Kubernetes, EKS, Prometheus, Grafana, Copado, OMS, DevSecOps, Nexus, AWS, GCP, CI/CD, S3, YAML, Helm, AKS, Rancher, C++, SRE, Argo CD, Boto3, AKAMAI, GitHub, Chef, AppDynamics, Lambda, Ansible, Terraform, Python, Jenkins, Ruby, EC2

**Client: CVS Health, Flohram Park, NJ Mar-2021 Sep-2023**

**Role: DevOps Engineer**

**Responsibilities:**

* Hands on experience with cloud-based IaaS (OpenStack, AWS)
* Provision and Implement ETL Solutions using **AWS OPENSOURCE** and **ELK Stack**
* Automate the Deployments tot the **Kubernetes** Cluster
* Optimized CI/CD pipelines to reduce build times and increase reliability, leveraging parallel execution and caching strategies in Jenkins.
* Collaborated with development, operations, and data engineering teams to define **Kafka** usage patterns, optimize data flows, and troubleshoot issues, ensuring alignment and efficient operation.
* Conducted code reviews and contributed to the improvement of coding standards and best practices within the team using **Golang**. Performed automation scripts for deployment in CI/CD leveraging Golang.
* Automated build processes using **Apache ANT**, creating build.xml files to define project build scripts and streamline compilation, packaging, and deployment tasks.
* Developed comprehensive test classes for **Apex code**, achieving high code coverage and ensuring the reliability and quality of custom functionalities.
* Used Mezmo's support for automation via APIs and webhooks to streamline log management tasks and integrate log data into CI/CD pipelines, facilitating continuous integration and deployment processes.
* **GCP**'s suite of tools and services to automate deployment processes, streamline workflows, and optimize resource utilization, resulting in increased efficiency and cost savings for CVS Health's DevOps operations.
* Implemented load balancing within Docker Swarm clusters to distribute traffic evenly across services, improving application performance and reliability.
* Implemented and managed **DevSecOps** practices to integrate security measures seamlessly throughout the software development lifecycle, ensuring robust security posture and compliance standards.
* Created custom dashboards and alerts in New Relic to monitor key performance indicators (KPIs) and receive real-time notifications on critical issues.
* Implemented integrating applications with third-party IAM, SFTP, middleware, databases, and other solutions.
* Implemented **Azure Active Directory B2C** (Azure AD B2C) authentication solution for web applications, ensuring secure and seamless user authentication
* Design and develop application modules based on the Business use cases using technologies **Java**, **J2EE, Spring, Spring Boot, Hibernate.**
* Utilized **Jenkins**, **Spinnaker** and **Chef** for **CI/CD** pipelines, integrated Maven for build scheduling and infrastructure management. Automated software delivery processes on AWS and GCP with Spinnaker pipelines.
* Implemented centralized **logging** with **ELK stack** to monitor system logs, CloudTrail Events, and S3 changes. Integrated **Google Cloud Logging** and Monitoring for comprehensive log management across AWS and GCP.
* Utilized **Boto3**, the **AWS SDK** for **Python**, to automate **AWS EC2** and OpsWorks sign-ups, adapting the scripts for **GCP API**s to manage resources seamlessly across multi-cloud environments.
* Used New Relic and Google Cloud Monitoring for log archive maintenance and system performance, integrating application monitoring across AWS and GCP with New Relic and Google Cloud Monitoring.
* Designed automation templates for **MongoDB** and **Redis** databases, streamlining deployment. Extended to GCP using managed services like **Cloud SQL and Cloud Spanner** for data durability across multi-cloud environments.
* Collaborated with teams to resolve performance issues and manage Linux/Unix servers. Offered support for Linux and Unix servers on Google Compute Engine (**GCE**) VMs, ensuring consistent performance in hybrid cloud setups.
* Engaged in Agile **Scrum** methodology, participating in daily stand-ups, sprint planning, and retrospective meetings to ensure alignment with project goals and timely delivery of tasks.
* Develop automation using terraform, python for the infrastructure and Application Monitor in the cloud using services like **LAMBDA, CLOUDWATCH, SNS, SQS**
* Develop automation for the AWS platform for various services like **ECS, EKS Landing zones, Networking, Serverless Accounts and DRA (Dedicated resource account)** using **ANSIBLE, PYTHON, CLOUDFORMATION, TERRAFORM**
* Develop and deploy cloud compliance and Governance policies using multi cloud Governance Audit and Compliance tools like **Cloud Custodian, DIVVY CLOUD**
* Oversee process documentations for various projects and part of review and Approval process.
* Develop Configuration Management as Code using **AWS OPSWORKS, Ansible**
* Develop CICD pipeline for AWS Platform using tools **JENKINS, JENKINS-PIPELINE, Python scripting.**

**Environment:** AWS, ELK, Kubernetes, Golang, Java, J2EE, GCP, Chef, MongoDB, Redis, GCE, SQL, Cloud Spanner, GCE, Scrum, Spring, Hibernate, Salesforce, Spring Boot, Azure ADB2C, Restful, Ansible, Cloud, Lambda, CloudWatch, Azure CLI, SNS, SQS, C++, ECS, Python, Terraform, Divvy Cloud, Jenkins, Python Scripting

**Client: Enbridge Inc. Location: Houston, TX Aug-2019- Feb- 2021**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Administered with Docker, Kubernetes, OpenShift and Mesos container technologies.
* Experienced with Docker (compose, Docker file, image creation/deployment, etc.).
* Utilized **Copado**, a leading Salesforce DevOps commercial tool, to streamline development processes, automate deployments, and enhance collaboration among development teams, resulting in accelerated project delivery and improved release management
* Manage /Lead Team for various AWS projects.
* Lead and mentor a group of teams, involved in multiple infrastructure modules.
* Architect Administrate **AWS** Cloud services (**Compute, RDS and Monitoring**) for application needs.
* Implement Cloud compliance and Audit for the AWS Cloud using **Cloud Custodian** tools**.**
* Provision ephemeral **EKS** and **ECS** clusters using **Jenkins** pipeline for POC use cases.
* Create CICD for **Docker** images and push the images to repos.
* Create Automation for provision of **Kubernetes** Clusters
* Implementation of CICD for **Kubernetes** Clusters using **Argo CD**
* Leveraged comprehensive knowledge of Salesforce development tools to effectively troubleshoot errors arising from package deployments, scratch org provisioning, and Salesforce **DX CLI** commands, ensuring project success and client satisfaction.
* Create Deployment, service manifests for the **Kubernetes** infrastructure.
* Create **Lambda** Functions using python as needed for the Cloud requirements.
* Create **Ansible** Playbooks for provisioning of the infrastructure according to Application requirement.
* Create **CloudFormation** templates for the provisioning of various AWS Services as per applications.
* Develop automation for CICD using **Terraform**, **python** for the infrastructure and Application Monitor.
* Develop automation for the AWS platform for various services using **ANSIBLE, PYTHON, CLOUDFORMATION, TERRAFORM**
* Develop and Implement CICD pipeline for AWS Platform using tools **JENKINS, JENKINS-PIPELINE**
* Experienced with Kubernetes architecture, setup, images, jobs, labels and selectors, namespace, node, service, pod, replication controller and Kubernetes deployments.
* Performed POC on Apache Mesos.
* Worked on automation scripting in Python, PowerShell to automate all deployment activities. Managed CI/CD using Bamboo, Jenkins for continuous integration in CMS Migration Project. Experienced with Jira and Confluence.
* Built and deployed foundational Azure environment. Hands on experience on Azure security aksand Datacenters.
* Designed and implemented automated solutions leveraging Salesforce APIs and **CI/CD** principles to streamline repetitive tasks such as data migration, metadata deployments, and environment setup, resulting in faster project delivery and reduced human error
* Demonstrated expertise in **Salesforce administration**, data management, and integration, adept at optimizing workflows, ensuring data integrity, and driving seamless communication between disparate systems to empower organizations with actionable insights

**Environment:** Docker, Kubernetes, OpenShift, Mesos, OpenStack, AWS, RDS, Cloud Custodian, EKS, ECS, Jenkins, Argo CD, Lambda, Ansible, Terraform, Python, Ansible, Python, Salesforce, CloudFormation, Jenkins-Pipeline, PowerShell, CI/CD, Bamboo, Jira, Azure, Ruby, Git, Bit Bucket, DNS, Perl, Bash, Agile, Copado

**Client: Groupon, Hyderabad, India Jan 2017- Nov- 2018**

**Role: DevOps / AWS Engineer**

**Responsibilities**:

* Migrated from On-Premises Infrastructure to **AWS Cloud** focusing on **high-availability, fault tolerance**, and **auto scaling**. Automated the build process in streamlining the multi-platform, and process of building and eliminating the build errors, developed automated testing each build
* Worked on **provisioning** and **managing** Amazon Web Services (AWS) services like **EC2, EKS, ECS, ELB, IAM, Cloud Trail, Route53, RDS, VPC, SQS, SNS, Lambda, EBS, Elasticache, Elasticsearch** focusing on production ready, load balanced, highly available and fault tolerant infrastructure.
* Created **EC2** instances using **AWS AMIs** and configured the launched instances concerning the application. Used **AWS VPC** to design and build infrastructure by configuring **NAT gateways, subnets** in various areas for **high availability** and **security**.
* Good experiences in integrating **salesforce.com** with other internal/external applications using **SOAP** and **REST** based web services with **SAP** to share the quotation and agreement data whenever record is created in the salesforce.
* Leverage Bamboo, Jenkins, GIT, Auto Rabbit, and Copado for continuous integration and deployment (CI/CD) pipelines.
* Configured **inbound** and **outbound** traffic to the internal network interfaces, subnets, and virtual machines. Designed route tables among servers and Internet Gateway for internal communication to allow public traffic into its private network.
* Experienced in developing dynamic web applications with **Blazor**, leveraging its powerful capabilities to create responsive and interactive user interfaces.
* Managed users, groups with specific policies and attached them using **IAM** accounts and implemented multi-factor authentication to meet security compliance. Created and maintained policies for **S3** buckets and used them for backup and storage on AWS. **Encrypted S3 buckets** for all **CloudTrail** logs encrypted and policies to access the logs.
* Written **Lambda functions** and implemented various tasks like triggering an action to copy the files in between the S3 buckets and taking EBS snapshots in regular intervals.
* Creating **Elastic Load Balancers** to manage and distribute the traffic to servers to make sure the servers are not over-burden and are fully operational all the time with no downtimes.
* Implemented **AWS Auto Scaling** for providing high availability of applications deployed on EC2 instances by observing the load of applications using **AWS Cloud Watch** and **.Net Core.**

**Environment:** AWS, EC2, EKS, ECS, ELB, IAM, Cloud Trail, Route53, RDS, VPC, Salesforce, SQS, SNS, Lambda, EBS, Elasticache, Elasticsearch, Blazor, S3, AWS Cloud Watch, .Net Core

**Client: PressMart Media Ltd., Hyderabad, India Oct- 2014- Dec -2016**

 **Role: Linux Administrator**

**Responsibilities:**

* Installation, configuration & administration of **RED Hat Linux, RHEL 4.0/ RHEL 5.0**
* Used **VERITAS Net backup** tool for Backup and recovery.
* Responsible for **DNS** and Configured **DNS** Servers and Clients and troubleshooting system and **DNS** issues.
* Implemented robust monitoring and troubleshooting strategies for **Hybrid Infrastructure Setups**, enabling proactive identification and resolution of issues to maintain high availability and reliability across both on-premises and cloud components
* Implemented Server consolidation and virtualization using **UML Linux, XEN and VMware virtual infrastructure, VMware ESX, VMware vCenter**.
* Experienced in developing dynamic web applications with **Blazor**, leveraging its powerful capabilities to create responsive and interactive user interfaces.
* Allocated resources to the **Virtual Machines** based on the requirements from the Users.
* **Package, Patches management**, Migration, Integration & distribution in development, Testing, QA, Training, Production environment. (Testing: UAT, SIT, OAT, Performance testing).
* Monitoring of serversusing **SCOM and Nagios.**
* For the dynamic datacenter performance worked with different virtualization techniques on **Solaris-10**.
* Proficient in leveraging **.NET Core** for building scalable and cross-platform applications.
* Deploy and manage **Datastore** for all **VMware ESXi** hosts.
* Perl Application and Perl Module Development in Object Oriented **Perl** on **Solaris, RHEL Linux, Bash, .NET Core.**

**Environment:** RED Hat, RHEL, VERITAS, DNS, UML Linux, XEN and VMware virtual infrastructure, VMware ESX, VMware vCenter, Blazor, SCOM, Nagios, .Net, VMware, Solaris, Linux, Bash