**Kumaravel**

 **512-221-2402**

**PROFESSIONAL SUMMARY:**

* An opportunistic and passionate **Cloud** certified **DevOps Engineer** with 12+ years of in depth technical functional and managerial experience with a will do attitude. Implemented and managed **IT** infrastructure solutions to augment business requirements which are scalable, cost effective and secure. I have been a person with a good risk appetite, integrity, accountability, loyalty and commitment.
* Good technical experience in Implementing, optimizing, streamlining **Continuous Integration and Continuous Deployment** **(CI/CD)** to enforce **DevOps methodologies, Administration of Linux and Windows Systems, Cloud migrations, Automation solutions**, **production deployment** which include **Compiling, Packaging, Deploying** and **Application Configurations**.
* Expertise in developing **Ansible Playbooks** to install and configure Application Servers **WebSphere**, **Tomcat**, **JBoss**, **WebLogic** and involved in deployment activities.
* Proficient in Cloud **migration, Configuration** of various services provided by **AWS** like **EC2**, **S3**, **VPC, SNS, RDS, DNS service, Route 53, Cloud Trail, Cloud Formation,** **Auto scaling, Cloud Watch, Cloud Front, IAM**, **EBS, AMI.**
* Experience in Build, Test and Deploy series as a process of **CI/CD** using **Jenkins** and worked on regular based updates in Developing, Testing and Production teams using **SVN** and **GIT.**
* Experience in **creating** and **managing** AWS **S3** **(Simple Storage Service)** **buckets** to store and retrieve data. And managed user access by assigning **bucket** **policies**, **user** **policies** and **ACL** **(Access Control Lists).**
* Experience in converting existing AWS infrastructure to server- less architecture (**AWS** **Lambda**, **Kinesis**) deployed via **Terraform** or AWS Cloud formation and used **Terraform** to provision the instances on AWS Cloud.
* Created reusable Terraform modules and across different projects or environments, promoting consistency and reducing development time.
* Created reusable components, created Terraform modules for each component.
* With the use of series of tools like **Jenkins**, **Ansible**, **Docker**, **VMWare** and **AWS** instances the designing phase and implementation phase were **automated.**
* Worked with **Ansible** Enterprise Hosted as well as On-Premises, Installed Workstation, Bootstrapped Nodes, wrote **playbooks** and uploaded them, managed On-site OS/Applications/ Services/Packages using **Ansible** as well as **AWS for EC2/S3/Route53 & ELB** with **Ansible playbooks**.
* Experience in working on **version control systems** like **Subversion** and **GIT** used Source code management client tools like **SVN**, **GitBash**, **GitHub**, **Git GUI** and other command line applications etc.
* Proficient in Automating the Build Infrastructure for deploying services in **dockerized** environment using **Jenkins, SonarQube, Gradle, Docker and Splunk.**
* Experience in Controlling the **Linux** servers for many applications which involved maintaining the web servers like **Apache/Tomcat** and **WebSphere**, databases like **Oracle/MySQL** and firewalls in all the circumstances.
* Good application development and interfacing experience with **LDAP** (Linux) and **Active** **Directory** (Windows) using **Netscape Directory** Server.
* Experience in working with concepts of **Waterfall methodologies** and **Software Configuration Management SCM** in **Agile**
* Experience in **Installing, Upgrading, Troubleshooting, Backup, Disaster Recovery, Monitoring, Building, Migrating** on **Linux** Systems.
* Experienced with version control systems **Git** and **Subversion**. Developed automation and deployment utilities using **Ruby**, **Bash**, **PowerShell** and **Python**.
* Responsible for creating the **confluence** to use **JIRA**, **Bugzilla** in Issue tracking / bug tracking for discussing the work related to project.
* Experience in **servicenow, Incident management** for support activities.
* Experience in documentation and presentation – MS Offie
* Experience in Planning and performing the upgrades on **Linux and AIX** operating systems and hardware maintenance on HP and POWER servers like increasing memory, disk, replacing failed hardware.

• Experience with containers, **Docker**, **Docker-Swarm** Packer, **Kubernetes**, and ECS and a good working knowledge in creating private cloud using Kubernetes that supports DEV, TEST, and PROD environments.

* Provisioned the highly available EC2 Instances using **Terraform** and cloud formation and wrote new plugins to support new functionality in Terraform and managed the whole AWS infrastructure as code using **Terraform**.
* Used Terraform scripts to Automate Instances for Manual Instances that were launched before and extensively involved in infrastructure as code, execution plans, and resource graph and change automation using **Terraform**.

• Experience supporting **24x7** production computing environments. Experience providing on-call and weekend support.

• Self-motivated team player with excellent verbal and writing communication skills.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating Systems** | Amazon Linux AMI, Linux, Windows, Solaris, IBM-AIX.  |
| **Web Servers** | Tomcat, APACHE, Web Logic & Web Sphere, JBoss |
| **Languages/Scripting** | HTML 5, PHP, Python, Pyspark,Ruby,Shell scripting, Bash scripting |
| **Databases** | Oracle, MySQL, SQL Server, RDS |
| **Networking** | TCP/IP, FTP, SSH, SMTP, SNMP, DNS, TELENT, HTTP and HTTPS, LOAD BALANCING, VPN, FIREWALL, SUBNETS. |
| **CI/CD Tools** | Jenkins, Chef, Puppet, Ansible, Gitlab Runners |
| **Build tools** | Ant, Maven, MS Build |
| **Micro Services** | Docker, Kubernetes |
| **Version control** | Gitlab, GitHub SVN |
| **Cloud technologies** | AWS (AWS EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Formation AWS configuration, S3). Cloud Foundry, OpenShift, OpenStack, Rackspace, Google Cloud. |
| **Monitoring Tools** | Nagios, Splunk, Graphite, New Relic, Zabbix, IBM Tivoli. |

**Certifications:**

**Certified Kubernetes Administrator (CKA)** (Oct 2021)

**Certified Kubernetes Security Specialist (CKS)** (April 2023)

**Certified AWS Solutions Architect** (Jan 2022)

**Education:**

Bachelor’s Degree in Computer science,

Madurai Kamaraj University, India, 2003

**WORK EXPERIENCE:**

**Client – Pearson**

**ROLE –Senior DevOps Engineer July 2020 – Present**

Responsibilities:

* Scope, Design, and a lead developer hybrid Cloud Platform **(IaaS, SaaS & PaaS**) (**AWS** Backend platform with Worker + Web Job Roles services to process network ports from different sources, to produce and analyze data collections).
* Strong Hands-on experience administering a Highly Available **Kubernetes** cluster in a production environment- with upgrading patches and various components to the latest version that is compatible.
* Worked on **Terraform, Ansible, AWS services, Log Analytics, Docker**, to standardize deployments and automate **CI/CD pipelines.**
* Created reusable Terraform modules and across different projects or environments, promoting consistency and reducing development time.
* Created reusable components, created Terraform modules for each component.
* Parameterized reusable Terraform Modules to accept input variables, allowing users to customize their behavior based on specific requirements or use cases.
* Versioned reusable Terraform modules, allowing for controlled updates and ensuring consistency across deployments.
* Used Ansible to streamline processes by automating repetitive tasks, ensuring consistency across environments, and enabling infrastructure as code practices
* Used Checkmarx to scan code before it is deployed to production environments as part of the CD process. This ensures that only secure code is released, minimizing the risk of exposing vulnerabilities to attackers.
* Used Checkmarx to perform static code analysis to identify security vulnerabilities in the source code.
* Provisioned **Atlas MongoDB** as SaaS in AWS cloud using **Terraform** with advanced multi-region and a multi-node cluster in all environments and configured Dynatrace monitoring for the **MongoDB** instances in an automated way of capturing hourly logs using PowerShell.
* Used Terraform scripts to Automate Instances for Manual Instances that were launched before and extensively involved in infrastructure as code, execution plans, and resource graph and change automation using **Terraform**.
* Integrated MongoDB Instances with **Dynatrace** using Active gateways and monitoring the necessary key performance indicators at both DB level and the cluster level.
* Automated the extraction of logs from MongoDB clusters to AWS S3 using REST APIs in PowerShell.
* Application Production support for the products of Pearson.
* Deep understanding of k8s architecture with strong basic knowledge around container runtimes, ingress (**Nginx**), **Storage**, CNI (flannel), High Availability, Reverse Proxies (Nginx) & virtualization.
* Deploy experience (bash/python/go/pyspark) to create entry points / automating the deployments.
* Advanced Knowledge of **TCP/IP**, Networking, **DNS**, File permissions, configuring **NSG and IP** rules, **VNets** and Subnets.
* Working experience with **OCI** container platforms such as **Docker**.
* Experience administering a Linux distribution in a production environment.
* Experience in managing Kubernetes charts using helm, deploy scale, load balance, replication controllers and managed multiple pods and namespaces. Also dealt with Kubernetes pipeline plugin and provisioned instances.
* Utilized Kubernetes for the runtime environment of the **CI/CD** system to build test and deploy along with managing and scaling the Docker containers and maintaining the **Kubernetes** cluster.
* Worked and developed **API's** using Kubernetes to manage and specify the copies of containers to run. Also configured various required parameters and structured the config map along with the secrets used.
* Automated the Deployment of **Kubernetes** cluster and worked on creating pods, replication controllers, replica sets, services, deployments, labels, health checks and ingress by writing **Yaml** files.
* Upgraded **AKS** version and all its dependency components like Istio, kured, kiali etc. from 1.23 to 1.24 using **Helm** **charts** without any downtime in all the environments.
* Experience with identifying and remediating and maintain services using **Kubernetes** following DevOps processes with a proper well tested failover & recover plan.
* Knowledge of configuring **Prometheus** and **Grafana** for setting up alerts and monitoring the **AKS** cluster environment is desired.
* Provisioned the highly available EC2 Instances using **Terraform** and cloud formation and wrote new plugins to support new functionality in Terraform and managed the whole AWS infrastructure as code using **Terraform**.
* Implementing the infrastructure using **Terraform** for creation of pipeline projects
* Experience with maintenance such as Kubernetes patches upgrades and multiple Kubernetes clusters in a production environment.
* Experience with **Kubernetes** security and compliance best practices and monitoring Defender plans for all the resources.
* Experience working with hybrid k8s clusters containing both **Linux** and **Windows** nodes.
* Excellent verbal and written communication skills
* Ability to handle multiple complex tasks, with tight deadlines concurrently.
* Automate environment provisioning of non-Prod environments on AWS Migration of existing Jenkins pipelines to AWS
* Migration of code repository to AWS Bit Bucket Migrate Jenkins files to AWS YAML files.
* Identification of Build dependent libraries and upload the artifacts.
* Setup CI pipeline covering automated build test code coverage code reviews and security scans.

**Client – Allianz Insurance**

**ROLE – Senior DevOps Engineer June 2018 – June 2020**

**Responsibilities:**

* Strong Hands-on experience administering a Highly Available **Kubernetes** **cluster** in a production environment- AWS Certified.
* The primary goal is to migrate the custom applications to AWS using automation techniques with architecture, design, installation, and configuration of **IT** infrastructure components in large and complex environments to help develop applications in AWS.
* Designed and implemented solutions to automate platform and infrastructure management, including integration with external modules/components that comprises the entire technology infrastructure ecosystems.
* Building and configuring OpenShift Infrastructure and managing docker containers, configuration (creating clusters, nodes and pods) and used Kubernetes to manage containerized application.
* Used Ansible as automation tool in DevOps practices for configuration management, application deployment, task automation, and orchestrating IT infrastructure.
* Used Ansible to define tasks in a declarative manner using YAML syntax, making it easy to understand and maintain.
* Managing OpenShift cluster and its components like ECTD, MATSER, APP, INFRA, Gluster and implementing auto-scaling of nodes.
* Managed OpenShift master, nodes with upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
* Extensive knowledge of configuration management and server deployment and test environment deployment using automation that enables developers to easily create **IoT** device solutions that seamlessly connection to the AWS IoT Hub ecosystem.
* Provisioned the highly available EC2 Instances using **Terraform** and cloud formation and wrote new plugins to support new functionality in Terraform and managed the whole AWS infrastructure as code using **Terraform**.
* Production support for the products.
* Developing an automation e2e test environment deployment script (**bash + Power Shell**), AWS **ARM**, the AWS **CLI**, and AWS to reflect these resources for each SDK. This includes creating brand new scripts for features we have not automated yet.
* Used Checkmarx to scan code before it is deployed to production environments as part of the CD process. This ensures that only secure code is released, minimizing the risk of exposing vulnerabilities to attackers.
* Used Checkmarx to perform static code analysis to identify security vulnerabilities in the source code.
* Configuring and maintaining AWS ARM template and a build pipeline that deploys a Linux GitLab Runner Virtual Machine into the project network and managed credential controls by the global key vault.
* Providing access to the stock **OMS** dashboard for DevOps, security and program management and then customizing the dashboard to match the deployment content.
* Working with AWS Resource Manager (**ARM**) using the AWS portal to build, deploy and monitor applications.
* Created JSON deployed templates for provisioning virtual networks, subnets, **VM** scale sets, load balancer and NSG rules. Define a set of resources and specify deployed parameters to AWS resource manager (**ARM**) template to create a resource group for virtual machines.
* Implementing and automating **LDAP** configurations using automation tools which were done manually before.
* Proficient in creating automation scripts for **SQL** **DB** schemas and maintain AWS **SQL** server using bash and **CI/CD** pipelines.
* Experience in configuring AWS Webapps, AWS App services, AWS Application insights, AWS Application gateway, AWS DNS, AWS Traffic manager, App services, Analyzing AWS Networks with AWS Network Watcher, Implementing AWS Site Recovery, AWS stack, AWS Backup and AWS Automation.
* Installing all the SDK libraries (Device and IoT hub libraries) for connecting it to IoT hub securely with supported authentication, including private key, SAS Token**, X-509** Self Signed and Certificate Authority (**CA**) Signed.
* Automating the deployments of these e2e test environments so that we can deploy it to any region, including canary and dogfood regions (non-public regions) and government clouds in less than 20 minutes.
* Managing and revisiting the scripts architecture to enable running them in AWS and configure pipeline jobs in VSTS to create test environments using these scripts also to stand up AWS jobs to tear down test environments.
* Configured AWS IoT devices with Arduino and Raspberry Pi programming into the Kubernetes Raspberry-pi cluster to perform different functions and manage to utilize multiple sensors such as motion, temperature and as a remote monitoring solution.
* Used Terraform scripts to Automate Instances for Manual Instances that were launched before and extensively involved in infrastructure as code, execution plans, and resource graph and change automation using **Terraform**.
* Programmed and deployed the entire flow of a dashboard that tracks **Github** issues for all SDK’s that belong to the “IoT Developers and Devices” service identity to achieve performance and functional improvements.
* Working with the teams to understand the current infrastructure, applications and integrate existing tools to develop, test and automate the deployment practices into agile strategies.
* Experience in managing **Kubernetes** charts using helm, deploy scale, load balance, replication controllers and managed multiple pods and namespaces. Also dealt with **Kubernetes** pipeline plugin and provisioned instances.
* Utilized Kubernetes for the runtime environment of the **CI/CD** system to build test and deploy along with managing and scaling the Docker containers and maintaining the **Kubernetes** cluster.
* Worked and developed API's using **Kubernetes** to manage and specify the copies of containers to run. Also configured various required parameters and structured the config map along with the secrets used.
* Automated the Deployment of **Kubernetes** **cluster** and worked on creating pods, replication controllers, replica sets, services, deployments, labels, health checks and ingress by writing yaml files.
* Preparing a high-level design that is in alignment with Client Architectural Strategies and closely work with Client Manager to develop desired solutions for custom applications and maintenance.
* Perform analysis of best practices and emerging tools and concepts in DevOps, Infrastructure Automation, and Tools for Application Deployments and monitoring, Enterprise security to create an overall infrastructure on build systems on public cloud and private datacenter.Expert automation experience that follows software development disciplines with knowledge of **PowerShell/Python/Pyspark, .NET (C#), web services, RESTful API, SQL.**
* Creating Deployment methods and automation scripts to ensure all the infrastructure and applications can be managed through **CI-CD** pipelines and creating automation scripts for **SQL** **DB** schemas to maintain AWS SQL server using bash.
* Implementation of the security, monitoring, and DevOps portion of AWS IoT reference architecture on AWS and limiting project access to the AWS infrastructure and managed services to accelerate the time for the deployments.
* Experience with identifying and remediating and maintain services using Kubernetes following DevOps processes with a proper well tested failover & recover plan.Creating an inventory of AWS resources for AWS IoT Hub and AWS IoT Hub Device Provisioning Service, that are used during end-to-end test runs for every **SDK (C, C#, Java, Node, Pyspark and Python).**
* Knowledge of **Prometheus** and **Grafana** for setting up alerts and monitoring the cluster environment is desired.
* Created and implemented (**AWS Resource Manager) ARM** templates and deployed them using the AWS portal, also used AWS quick start templates for **Cloud Infrastructure** design and implementation to deploy Web applications on **AWS PowerShell** Workflow.

**Client – Energi Asia**

**Location - ROLE - DevOps Automation lead/Software Engineer July 2016 – May 2018**

**Responsibilities:**

* Strong hands-on experience with architecture, design, installation and configuration of **IT** infrastructure components in large and complex environments to help develop applications for **AWS IoT SDKs**.
* Designed and implemented solutions to automate platform and infrastructure management, including integration with external modules/components that comprises the entire technology infrastructure ecosystems.
* Extensive knowledge of configuration management and server deployment and test environment deployment using automation that enables developers to easily create **IoT** device solutions that seamlessly connection to the **AWS IoT Hub** ecosystem.
* Creating an inventory of AWS resources for AWS IoT Hub and AWS IoT Hub Device Provisioning Service, that are used during end-to-end test runs for every **SDK (C, C#, Java, Node, Pyspark and Python).**
* Proven automation development expertise within the technology infrastructure domain and the ability to quickly understand a complex operating environment.
* Developed automation e2e test environment deployment scripts (**bash + Power Shell**), AWS **ARM**, the AWS **CLI**, and **AWS** to reflect these resources for each SDK. This includes creating new scripts from the scratch for features we haven’t automated yet.
* Upgrading the agent VM’s from the hosted agent pools and configuring the AWS automation pipelines for Node, Python, Java , Pyspark and CSharp SDK’s.
* Installing all the **SDK** libraries (Device and IoT hub libraries) for connecting it to IoT hub securely with supported authentication, including private key, **SAS Token**, **X**-**509** Self Signed and Certificate Authority (**CA**) Signed.
* Automating the deployments of these e2e test environments so that we can deploy it to any region, including canary and dogfood regions (non-public regions) and government clouds in less than **20** minutes.
* Expert automation experience that follows software development disciplines with knowledge of **PowerShell/Python/Pyspark, .NET (C#), web services, RESTful API, SQL.**
* Managing and revisiting the scripts architecture to enable running them in AWS and configure pipeline jobs in **VSTS** to create test environments using these scripts also to stand up AWS jobs to tear down test environments.
* Developed and architecture the Advance RISC machine (**ARM**) **Raspberry Pi 3 Model B+** client embedded hardware with **Python, Pyspark shell scripts, GPSD, GPRS connection, Linux configuration** to run the Horton end-to-end test framework.
* Configured AWS IoT devices with **Arduino** and **Raspberry Pi** programming into the **Kubernetes** Raspberry-pi cluster to perform different functions and manage to utilize multiple sensors such as motion, temperature and as a remote monitoring solution.
* Shaping and configuring **PnP device SDK APIs** as a separate client, as decoupled as possible from **IoTHub API’s** and optimizing the PnP protocol​ to build up MQTT topics with properties.
* Configured and managed the security platform across most **docker** containers, **Kubernetes** and host environments using **twistlock** to support serverless applications and to secure the network layer of the application itself.
* Hardening data security on all AWS SDKs using **TLS** connection, upgrading systems and applications to accept the **TLS 1.2** protocol to perform **E2E** invalid certs test against MITM endpoints.
* Configured the **TLS** script including several security factors for the **SSL** security handshake besides cipher suites and protocol status also updating the cipher order logic.
* Onboarding Nodes in **OpenShift** Cluster with a various business workload and providing engineering solutions for OpenShift and Docker.
* Upgrade an **OpenShift** Container Platform cluster within a minor version by using the OpenShift CLI and cluster configured for manual mode with STS.
* Automating ingestion of AWS Platform logging (CloudWatch, CloudTrail, CloudFront etc) and Application logs (from SPA’s, API Gateway, and **OpenShift**/Kubernetes projects) in to a centralized Elasticsearch domain
* Programmed and deployed the entire flow of a dashboard that tracks **Github** issues for all **SDK’s** that belong to the “IoT Developers and Devices” service identity in order to achieve performance and functional improvements.

**Client – Fiserv Inc**

**ROLE - Cloud Technical lead/DevOps Automation Engineer**  **May 2011 – Jun 2016**

**Responsibilities:**

* Implementation of the security, monitoring and **DevOps** portion of **DAA** reference architecture on **AWS** and limiting project access to the AWS infrastructure as a service and managed services to accelerate the time to deployment.
* Develop and design the system of resources for applications within organization for their infra related needs and prepare **high scalable and available systems.**
* Participate in planning and analyzing to provide high-level **DevOps strategies** and solutions utilizing Functional and technical expertise.
* Responsible for Configuration of Applications and Infrastructure using **Microsoft AWS** to different environments like **Production**, **UAT**, **Test** and **Development**.
* Configuring the VM’s to integrate the **OMS** agents into the local logical mechanisms according to the type of OS and the application software running on the VM’s.
* Configured and maintained **AWS** **ARM** template and a build pipeline that deploys a Linux **GitLab** **Runner** Virtual Machine into the project network and managed credential controls by the **global key vault**.
* Configuring and testing the target configuration of performance test framework including reporting results of the Pipeline and integrate it with target **FedProxy** pipeline only as a trigger.
* Providing access to the stock **OMS** dashboard for DevOps, security and program management and then customizing the dashboard to match the deployment content.
* Working with **AWS Resource Manager** (ARM) using the AWS portal to build, deploy and monitor applications.
* Creating JSON deployed template for provisioning virtual networks, subnets, **VM** scale sets, load balancer and **NSG** rules. Define set of resources and specifying deployed parameters to AWS resource manager (**ARM**) template to create resource group for virtual machines.
* Upgrading the agent VM’s from the hosted agent pools and configuring the AWS automation pipelines for Node, Python, Java , Pyspark and CSharp SDK’s.
* Implementing and automating **LDAP** configurations using automation tools which were done manually before.
* Bootstrapped nodes, writing recipes and cookbooks and upload them to chef server, managed on-site OS/Applications/Services/Packages using **Chef**.
* Proficient in creating automation scripts for **SQL** DB schemas and maintain **AWS** SQL server using bash and **CI**/**CD** pipelines.
* Experience in configuring **AWS** Webapps, AWS App services, AWS Application insights, AWS Application gateway, AWS DNS, AWS Traffic manager, App services, Analyzing AWS Networks with AWS Network Watcher, Implementing AWS Site Recovery, AWS stack, AWS Backup and AWS Automation.
* Worked on collection of **Docker** images for **AWS** CLI in alignment with reference architecture, security, and operational requirements that should be used by the Digital Aviation community as a basis for CI pipelines and for managing AWS resources.
* Building various containers using **Docker engine** and **Docker Machine** environments using VSTS and to deploy the micro services-oriented environments for scalable applications. Experience in writing **Docker** files to build the micro-service applications.
* Working with **Docker** and **Kubernetes** on multiple cloud providers, from helping developers **build** and **containerize** their application (CI/CD) to deploying either on **public** or **private cloud.**
* Building of all microservices were made to get into the **AWS Cloud** **Registry** with the help of **Jenkins** pipelines and then they were deployed using **Kubernetes**, creation and management of Pods using **Kubernetes**.
* Wrote **Python scripts** to parse **XML** documents and load the data in **database.**
* Set up **Jenkins** for leading weekly **Build, Test and Deploy** string as a **CI/CD** manner, **SVN/GIT** with **Dev/Test/Prod Branching Model** for weekly announcements.
* **Refactoring Chef Cookbooks** to upgrade the latest version of applications like **Gitlab**, **Ping Access console, Jira, Sonarqube.**
* Experience in writing test scripts, test cases, test specifications and test coverage and implemented the unit tests using **Python** **Unit Test** (PyUnit) library.
* Monitoring the **DAA** environment using a combination of Operational management service for a real time dashboard of monitored data using Application Insights, Power BI for reporting and HD Insights for analysis.
* Implemented a **CI**/**CD** pipeline using Jenkins for Continuous Integration of the source code, **Maven**/ **Gradle** for building the artifacts, **SonarQube** to perform static and dynamic analysis, **Ansible** playbooks to perform the continuous deployment into various environments.
* Providing **support** on installing, configuring, managing and troubleshooting the middleware like **Apache** and **JBoss** in different departments for several applications.