**Uma Srikanth**

| **Summary**  |
| --- |

* Experienced **DevOps** and **Big Data Engineer** with over 8+ **years of experience** in **designing and implementing robust infrastructure (CI/CD)**. Proven track record in seamless **DevOps integration** and large-scale data processing management.
* I also have expertise in building **Data Warehouses**, **Data Pipelines** and **Real time streaming applications**. I hold a **Master’s in Business Analytics Information Systems** (Computer Information Systems) from the **University of South Florida** with a **GPA of 3.77/4**.
* Notable recent achievements include success in an **NLP competition** on disaster tweets on Kaggle and **AWS Solution Architect Certification**. Committed to delivering scalable solutions, adept at troubleshooting, and skilled in managing competing priorities**.**
* Experience in Automating, configuring, and deploying instances on **cloud** environments and Data Centers, involved in the areas of **DevOps**, CI/CD pipeline, Build and release management, **AWS**, **Azure** & **GCP** Implementation & **DevOps** practice. Integration and **Continuous Deployment (CI/CD), and Terra form,** **Ansible**, Puppet for Configuration
* Worked on Subversion, **GIT** and Source code management client tools GitLab, **GIT** Hub & Bitbucket.
* Experience in **CI/CD** process by WARM configuration managing, builds, VSRM/EV2 deployments, scaling the azure VMs, bug-bashes, runners’ implementation, monitoring using Jarvis
* Hands on experience in different versions of **MS SQL** **Server** with **Business Intelligence** in **SQL** **Server** Analysis Services and Power BI Desktop and Services. Responsible for creating SQL datasets for Power BI and Ad - hoc Reports.
* Experience in Infrastructure Development and Operations, involved in designing and deploying utilizing **AWS** stack that include IAM, **EC2**, EBS, **S3**, VPC, RDS, ELB, ECS, Auto scaling, **Cloud** Front, **Cloud** Formation, Elasticache, Elastic-IP’s, NAT Gateway, **Cloud** Watch, SNS, Route 53, **Cloud** Trail, **AWS** CDK, ALB/NLB Load Balancers, **AWS** inspector and administering them using **AWS** Console and **AWS** Command-line Interface. Experience in Converting existing **AWS** Infrastructure to Server less architecture (**AWS** Lambda, Kinesis), deploying via **Terraform** and **AWS** **Cloud** Formation templates.
* Expert in various **Azure** services like Compute (Web Roles, Worker Roles), Caching, **Azure** SQL, NoSQL, Storage, and Network services, **Azure** Active Directory (AD), **API** Management, Scheduling, **Azure** Auto Scaling, and PowerShell Automation. Integration and Continuous Deployment (CI/CD) in **AWS**, **DevOps** for Continuous
* Experience in Handling Heterogeneous data sources like **SQL Server, Oracle, MY SQL, Hadoop, Excel,** and **CSV files** using Power BI and Tableau. Hands-on experience working with Kusto.
* Worked on Microsoft’s internal tools like Cosmos, Kusto, iScope etc. which are known for doing ETL operations efficiently.
* Experience in **AWS** **Cloud** platform and its features which includes **EC2**, VPC, EBS, AMI, SNS, RDS, **Cloud** Watch, Autoscaling, **Cloud** Front, IAM, **S3**. Extensively worked on **DevOps** essential tools, like **Jenkins**, Bamboo, **AWS** Code Pipeline for Continuous
* Experience in **Cloud** Administrator on Microsoft **Azure**, involved in configuring virtual machines, storage accounts, resource groups, Function applications, application insights, Service Bus, VM scale set with custom script, App service deployment and **Azure** SQL server. Knowledgeable on scripting languages as **Python** hands on experienced.
* Served as the lead PowerShell developer in hundreds of Windows based migration and automation projects
* Built **S3** buckets & managed policies for **S3** buckets and used **S3** bucket & Glacier for storage and backup on **AWS**.
* Supported, configured, troubleshoot, and maintained multiple server environments like Windows and **Linux** (Ubuntu, CentOS, RHEL (**Red** **Hat** Enterprise **Linux**)). Experienced in setting up **CI/CD pipelines** using **Jenkins** and building the art factories.
* Management, and **Docker**, Kubernetes, **AWS** **Elastic Container Services (ECS), Kubernetes Services (AKS),** **Helm** for Containers and Container Orchestration, and **Splunk**, Prometheus, Nagios, **Cloud**
* Watch for monitoring the Environment, and New Relic, Grafana, Elastic Search for Analytics and Visualization, and **Jira** for Collaboration and bug tracking and reporting, and **Maven**, Ant for Build Management, and **Git**, SVN for Version Controlling, and most of the **Cloud** Resources available in **AWS** clouds.
* Authored several scripts leveraging VMware’s PowerCLI and Windows PowerShell to aid with capacity planning and monitoring of the virtualization infrastructure.
* Involved in DevOps, creating azure cloud environments and implemented WARM/EV2 deployments for newly created environments, scaling the azure VMs, monitoring using Jarvis
* Expertise in designing and implementing Computer layer like **Amazon Machine Image (AMI)** Design and Customization, Automation Scripts. Excelled in developing CD pipelines with FluxCD, **Jenkins**, Ant, **Maven**, **Docker**, **GIT** OPS and **AWS**
* Designed, Architected and implemented the Platform as a service built for multi-tenant platform within the Hybrid **cloud** infrastructure within **AWS** and **GCP**. Used **Jenkins** pipelines to drive all micro services build out to the Private registries and then deployed to Kubernetes, Created Pods and managed using **Kubernetes** and **Helm**.
* Experience in development, architecture and working with environments and resources in Google **Cloud** like Compute Engine, GKE, VPC, MIG and Load Balancing, CDN, DNS, App Engine, **Cloud** Functions, **Cloud** Run, KMS, IAM, Secret Manager, Persistent disks and **Cloud** storage, Pub/Sub, Stackdriver, **Cloud** VPN, **Cloud** Interconnect, Container & Artifact registry, and Billing Services. Expertise in working with Bug Tracking Tool like **JIRA**.
* Hands on experience in writing **Terraform** modules for provisioning, changing, and versioning of Infrastructure to build staging, production, various environments and setting up remote state in Storage Buckets.
* Managed security groups on **AWS**, focusing on high-availability, fault-tolerance, and auto scaling using
* CloudFormation templates. Along with Continuous Integration and Continuous Deployment with **AWS** Lambda **AWS** code pipeline. Deploying & monitoring **Micro services (Kong API Management Gateway), AWS ECS, Kubernetes.**
* Experienced with setup, configuration and maintenance of **ELK stack (Elastic search, Log stash and Kibana)**
* Experience in middleware tools like Tomcat, JBOSS, and WebLogic and WebSphere Application servers
* Deployed application which is containerized using **Docker** onto a Kubernetes cluster, managed by Amazon Elastic Container Service for Kubernetes (**EKS**). And maintenance of build jobs and Kubernetes deployments and services.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploys.
* Used Ticketing & Project Management tools like Jira, Team Foundation Server in **DevOps, Service Now,** and **HPQC.**
* Created lightweight custom monitoring solution using **Windows PowerShell** to monitor the health of the 200+ Domain Controllers in the environment which included nightly Best Practice Analyzer
* Developed micro service on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation
* Experience in designing solutions in **AWS** and **Azure** **Cloud** using automation such as **Ansible** and demonstrated proficiency in provisioning tools like **Terraform** in production environments, leading the development of **DevOps** processes and CI/CD management. Integration of **Maven**/Nexus, **Jenkins**, **Git**, Confluence, **JIRA** and **Cloud** **Foundry**.
* Experienced with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, change Automation, and extensively used Auto Scaling for launching **cloud** instances while deploying Microservices.
* Experienced in integration, extraction, loading, maintaining decision support and reporting systems, database design, administration and development of complex databases for multi-tiered web applications.
* Experienced in pivotal **cloud** **Foundry** and **OpenStack** for continuous automated deployment.
* Extensively worked on Hudson, **Jenkins** for CI and for End-to-End automation for all build and deployments.
* Developed Puppet modules to automate deployment, configuration and lifecycle management of key clusters.
* Wrote puppet manifests for deploying, configuring and managing collected for metric collection and monitoring.
* Experience is using **Tomcat, JBOSS, Web Logic** and **WebSphere Application servers** for deployments.
* Experience in system monitoring with **Nagios, CloudWatch, ELK (Elasticsearch, Logstash, Kibana), Splunk, JIRA.**

| **Education** |
| --- |

Master of Science in Business Analytics Information Systems

University of South Florida | Tampa, Florida, USA

**Bachelor of Technology**

AmritaVishwaVidyapeetham|Kerala,India

| **Certification** |
| --- |

**AWS** Certified Solution Architect Associate (**AWS** SAA- 03)

Validity: 2023 - 2026 Credentials: CEBEQX1DSFB4QL38,https://**aws**.amazon.com/verification

| **Technical Skills** |
| --- |

| **Cloud Computing** | **AWS** **EC2**, ELB, **S3**, EBS, VPC, Route 53, RDS, Auto-Scaling, IAM, SNS, SES, SQS, **Cloud** Front, **Cloud** Formation, **Cloud** Watch, Elastic Beanstalk  |
| --- | --- |
| **Configuration Management Tools**  | **Ansible**, Chef, Puppet. |
| **Programming/Scripting Languages:** | **Java** 8, **Python**, Groovy, YAML , Shell/Perl Script, Node.js, J2EE, Ruby, SQL, PL/SQL, jQuery, JavaScript |
| **Technologies & frameworks** | **Spring**, **Spring** **Boot**, **Spring** MVC, **Spring** Data JPA, **Spring** **Cloud**, Hibernate, Apache Kafka, CI/CD, **Docker**, **AWS**, **EC2**, **S3**, Lambda, Groovy, **Jenkins**, Kubernetes. |
| **Application Servers:** | Apache Tomcat, WebSphere, JBOSS, WebLogic |
| **SCM Tools:** | **GIT**, GitHub, Subversion |
| **Tracking Tools** | **Jira**, Rally, Service Now. |
| **Build/Release (CI/CD)** | Chef, Puppet, **Ansible**, **Jenkins**, Kubernetes, **Azure**, **Cloud** Foundry, Circle CI, TeamCity, **Maven**, ANT, **Git**, SVN, TFS, Atlassian **Jira**, Selenium, Nexus, J Frog, **Docker**,FlueCD , HashiCorp Vault, GitHub Actions, **Sonarqube** |
| **Monitoring Tools** | Nagios, **Splunk**, Log Stash, Apache JMeter, Prometheus Grafana, Datadog, Ops Manager |
| **Networking/Protocol** | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP |
| **Operating Systems** | **Linux** (RedHat CENTOS), **Unix**, Solaris 11/10/9/8, Ubuntu 12/13/14, Windows NT, Windows MacOS. |
| **Scripting** | **Python**, YAML, Ruby, PHP, Bash, Shell, PowerShell, JSON. |

| **Work Experiences** |
| --- |

**Title: DevOps /Cloud Engineer**

**Client: Paypal,** **San Jose,California (Jul 2023 - Present)**

**Responsibilities:**

* Creating Amazon **EC2** instances using command line calls and troubleshoot the most common problems with instances and monitor the health of Amazon **EC2** instances and other **AWS** services.
* Involved in supporting **cloud** instances running **Linux** and Windows on **AWS**, experience with Elastic IP, Security Groups and Virtual Private **Cloud** in **AWS**. Build server deployment on **Cloud** (**EC2**) servers with help of **DevOps** tools like Puppet.
* Worked on google **cloud** platform (**GCP**) services like compute engine, **cloud** load balancing, **cloud** storage, **cloud** SQL, stack driver monitoring and **cloud** deployment manager.
* Developed scripts with Windows PowerShell to automatically configure network settings and vmkernel ports for ESXi servers including multipathing policy, storage LUNs and MTU size for both the vswitch and the vmkernel port, making the attachment of server profiles optional for non-clustered VMhosts.
* Setting up Power BI Environment, creating app workspaces, publishing apps and setting up PowerBI Gateway.
* Created SSIS packages to import data from Access, Excel, XML, OLE DB Source and Flat Files.
* Filtered bad data using Derived column, Lookups, Fuzzy Lookups, Conditional split.
* Designed SSIS packages to import and transform data between databases and external data sources using various transformations like Data conversion, File system task, Row counts, OLE DB Source, OLE DB Destination, OLE DB Command, Merge Join, Look up, Sort, Data flow task.
* Debugging SSIS packages, Performance tuning on Slowly running SSIS Packages.
* Published Power BI Reports in the required origination's and Made Power BI Dashboards available in Web clients and mobile apps.
* Automated Microsoft recommended load balancing techniques using PowerShell to reduce the workload of the DC holding the PDCe FSMO role and programmatically redistribute NTDS
* Setup **GCP** Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used **GCP** **cloud** CDN (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency. Implemented Chef Cookbooks for OS component configuration to keep **AWS** server's template minimal.
* Experience in Microsoft **Azure** **Cloud** Computing development and support. Moderate and contribute to the support forums (specific to **Azure** Networking, **Azure** Virtual Machines, **Azure** Active Directory, **Azure** Storage).
* Experience in using **Cloud** Infrastructure management and Implementation Working experience on various **Azure** services like Compute (Web Roles, Worker Roles), **Azure** Websites, Caching, SQL **Azure**, **NoSQL**, Storage, Network services, **Azure** Active Directory, Scheduling, Auto Scaling, and **Power** Shell Automation.
* For Log analytics and for better query response used Kusto Explorer.
* Extensive working experience with different SDLC methodologies such as Agile and Waterfall with an ability to be creative and to take self-initiatives to execute/manage multiple projects in parallel during time critical situations.
* Deployed **Azure** IaaS Virtual Machines (VM’s) and PaaS role instances (**Cloud** Services) into secure VNet’s and subnets, designed VNet’s and Subscriptions to confirm to **Azure** Network Limits. Extensive experience on configuring **Amazon** **EC2**, Amazon **S3**, Amazon Elastic Load Balancing IAM and Security Groups in Public and Private Subnets in VPC and other services in the **AWS**
* Written Chef Cookbooks for various DB configurations to modularize and optimize product configuration.
* Worked on OpenShift PaaS product architecture and worked on creating OpenShift namespaces for on-prem applications migrating to **cloud**. Involved in Chef and Puppet for Deployment on Multiple platforms.
* Virtualized the servers using **Docker** for the test environments and dev-environments needs, also configuration automation using **Docker** containers. Experience in creating **Docker** Containers leveraging existing **Linux** Containers and AMI's in addition to creating **Docker** Containers from scratch on both **Linux** and Windows servers.
* Creating **Jenkins** jobs and distributing load on **Jenkins** server by configuring **Jenkins** nodes which will enable parallel builds.
* Extensively worked on **Jenkins** **CI/CD pipeline** jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the **Jenkins** build process.
* Responsible for Ingestion of Data from Blob to Kusto and maintaining the PPE and PROD pipelines.
* Created continuous integration system using Ant, **Jenkins**, Puppet full automation, Continuous Integration, faster and flawless deployments. Container clustering with **Docker** Swan Mesos / Kubernetes. Worked with Amazon
* Installed and administered **GIT** source code tool and ensured the reliability of the application as well as designed the branching strategies for **GIT**. **AWS**/**EC2** and Google's **Docker** based cluster management environment Kubernetes.
* Deployed and configured **Git** repositories with branching, forks, tagging, merge requests, and notifications.
* Installed/Configured and Managed Nexus Repository Manager and all the Repositories, Created the Release process of the artifacts. Good working experience in **Azure** Logic apps, service Bus, Document DB and SQL Database.
* Experience on working with on-premises network, application, server monitoring tools like Nagios, **Splunk** , AppDynamics and on **AWS** with CloudWatch monitoring tool . Experienced in working on Scripting languages **Python**, Ruby,Shell, Bash.
* Worked on installation, configuration, and maintenance Debi an/Redhat, CentOS and Suse Servers at multiple Data Centers.
* Experience installing, upgrading, and configuring RedHat **Linux** **4.x, 5.x, 6.x using Kickstart Servers** and Interactive Installation.
* Utilized **AWS** CLI to automate backups of ephemeral data-stores to **S3** buckets, EBS and create nightly AMIs for mission critical production servers as backups. Migrated on-premise CI/CD environment to **GCP**-based deployment at the client.
* Maintained and developed **Docker** images for a tech stack including Cassandra, Kafka, Apache, and several in house written **Java** services running in Google **Cloud** Platform (**GCP**) on Kubernetes.

**Environment:** AWS, Azure, Ansible, Puppet, Linux, Bitbucket, Python, shell, Splunk, Docker, Kubernetes, Microservices, Active Directory, Maven, Jenkins, Agile, Apache, Nginx, Imperva Incapsula, Tomcat, Git, JFROG Artifactory, JIRA, Rally, Pier Ticket, ServiceNow, Docker, AEM (Adobe Experience Manager: Content Management), HA Proxy Server, CI/CD, SonarQube

**Title: DevOps /AWS Engineer**

**Client: Cardinal health,** **Dublin, Ohio (Nov 2022 – June 2023)**

**Responsibilities:**

* Integrated Kubernetes with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts. Configured Kubernetes cluster and supported it running on the top of the CoreOS.
* Utilized kubernetes and **docker** for the runtime environment of the CI/CD system to build, test deploy.
* Experience with Minikube to manage local deployments in Kubernetes, creating local cluster and deploying application containers. Designing and implementing container orchestration systems with **Docker** Swarm and Kubernetes.
* Experienced on creating and managing **Azure** Virtual Machines, **Cloud** Services and Storages by using **Azure** **Power**-shell scripting. Involved in developing the **Azure** Solution and Services like IaaS and PaaS.
* Extensively used Google stack driver for monitoring the logs of both GKE and **GCP** instances and configured alerts from Stack driver for some scenarios. Involved in Setup and Configuration of Puppet Configuration Management.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation. Worked on playbooks for **Ansible** in YAML scripting.
* Managing **Jenkins** artifacts in Nexus repository and versioning the artifacts with time stamp, Deploying artifacts into servers in **AWS** **cloud** with **Ansible** and **Jenkins**. Involved in designing of **API**'s for the networking and **cloud** services.
* Managed systems routine backup, scheduling jobs, enabling corn jobs, enabling System logging and network logging of servers for maintenance. Managed network security using Load balancer, Auto-scaling, Security groups and NACL.
* Experienced working with Logical Volume Manager (LVM) in creating physical volumes, volume groups and logical volumes, extending and resizing the volume groups when needed. Coordinate with **DevOps** process management team for setting up new environments and code deployments in an enterprise build and deploy model using RTC, **Jenkins** and automation tools.
* Worked on creation and managing IT infrastructure and application stack using **AWS** **Cloud** Formation and writing the template file using JSON. Created and wrote **Azure** Resource Manager Templates in JSON editor.
* Developed and designed CI/CD pipelines in **Jenkins**, bitbucket to deploy **AWS** infrastructure for web applications
* Designed/Automated **cloud** deployment using CloudFormation template and YAML files to reusable modules for easier infrastructure creation/deployment Involved in development and deployment of application on **UNIX** environment.
* Building/Maintaining **Docker** container clusters managed by Kubernetes **Linux**, Bash, **GIT**, **Docker**. Utilized Kubernetes and **Docker** for the runtime environment of the CI/CD system to build, test deploy.
* Utilized agile software development methodologies including pair programming, continuous integration, and scrum events.
* Developed and performed unit testing using JUnit framework in a Test-Driven environment (TDD)
* Building and Installing servers through **Azure** Resource Manager Templates or **Azure** portal.
* Experience on creating **Azure** VM, **Cloud** services and Storages by using **Azure** **Power**-shell Script.
* Created scripts for system administration and **AWS** using languages such as BASH and **Python**.
* Working as part of **DevOps** Team for different internal automation and build configuration management.
* Developed frontend and backend modules using **Python** on Django including Tastypie Web Framework using **Git**.
* Involved in evaluating existing server and virtualization environments for needed and useful upgrade opportunities.
* Involved in managing Amazon Web Services (**AWS**) infrastructure with automation and configuration management tools such as **Ansible**, Puppet, or custom-built. Created continuous integration system using SVN, Ant, **Jenkins**, chef full automation.
* Wrote **UNIX** shell scripts for provisioning data in the database like default announcements.
* Configured JFROG Artifactory for storing the application binaries using **maven** builds
* Wrote Shell Scripting to check security setting of the server and to change the server settings.
* Involved in development of business logic by backend **python** programming to achieve optimal results.
* Implemented a Continuous Delivery framework using **Jenkins**, Ant & Nexus in **Linux** environment.
* Experience in performing signal processing and machine learning algorithm development for a variety of programs and Implemented RS232 and TCP/IP protocols using **Python** scripting language and Developed SOA Services for transferring data between different applications. Involved in managing a team of **DevOps** engineer for infrastructure support on **AWS** **cloud**.
* Expertise in monitoring on **GCP** using compute, app engine, storage, **Cloud** SQL, Big Query, network (VPC, Subnets, firewall rules), DNS, IAM, security key management, auto-scaling using Kubernetes and **Docker** and other **GCP** services.
* Contributed to construction of web services for CMS using NetConf-based XML message.

**Environment:** AWS, Google Cloud Platform (GCP), GIT, Jenkins, Docker, Kubernetes, Nagios, Zabbix, ANT, MAVEN, MySQL-NoSQL Database, Web Logic, Python, Shell Scripts, XML, UNIX, Linux (RHEL), Ansible, Stash, Cassandra, Windows XP, Oracle

**Title: DevOps Engineer**

**Client: Monalisa Infotech Ltd, India (Dec 2018 – May 2022)**

**Responsibilities:**

* Dynamic implementation of SQL server work on website using SQL developer tool and Experience with continuous integration and automation using **Jenkins** and Implemented Service Oriented Architecture (SOA) using JMS for sending and receiving messages while creating web services. Involved in automating builds and deployment process using Shell scripting.
* Worked on Chef and Puppet for Continuous Integration and Continuous Deployments.
* Integrated **Jenkins** with various **DevOps** tools such as Nexus, **SonarQube**, **Ansible** and used CI/CD system of **Jenkins** on Kubernetes container environment, utilizing Kubernetes and **Docker** for the runtime environment for the CI/CD system to build and test and deploy. Involved in automating builds and deployment process using Shell scripting.
* Manages to use ANT and **MAVEN** as a build tool on **Linux** projects for the development of build artifacts on the source code like GitHub and Subversion (SVN). Planning, deploying, monitoring and maintaining Amazon **AWS** **cloud** APM
* Experience in Designing and distribution of Data across all the nodes and Clusters on different availability zones in **AWS** Redshift and Scaling Amazon RDS, MySQL, MongoDB, DynamoDB, Cassandra DB, PostgreSQL, Instances Vertically and Horizontally for High Availability (HA) Migrated on-premises CI/CD environment to **GCP**-based deployment at a point-of-sale technology client.
* Setup **GCP** Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used **GCP** **cloud** CDN (content delivery network) to deliver content from **GCP** cache locations drastically improving user experience and latency. Installed and configured **Jenkins** for Automating Deployments and providing an automation solution.
* Expertise in **Terraform** for building, changing, versioning infrastructure and collaborating automation of **AWS** Infrastructure via **Terraform** and **Jenkins**. Worked with Google **Cloud** components, Google container builders and **GCP** client libraries and **cloud** SDK’s. Involved in building own Paas with **Docker** deployed various applications through Dockers containers.
* Experience in writing **Jenkins** Pipeline Groovy Scripts for Continuous Integration and build workflows and Used **Jenkins** uploading Artifacts into Nexus Repository and Automated various day-to-day administration task by developing Bash, Ruby, JSON, Perl, PowerShell, and **Python** Scripts. Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Maven** to schedule the builds. Took the sole responsibility to maintain the CI **Jenkins** server.
* Monitoring/Network/Monitoring. Experience in working with agile development team and at all phases of Software Development Lifecycle and managed project with the help CI/CD (Continuous Integration and Continuous Deployment).
* Expertise in **Terraform** for building, changing, versioning infrastructure and collaborating automation of **AWS** Infrastructure via **Terraform** and **Jenkins**. Solved various .Net application issues and providing various technical solutions for .Net, TFS and Microsoft IIS. Utilized Bit bucket, Bamboo, and Crucible and integrated with **Jira** and Confluence.
* Experience in writing **Jenkins** Pipeline Groovy Scripts for Continuous Integration and build workflows and Used **Jenkins** uploading Artifacts into Nexus Repository and Automated various day-to-day administration task by developing Bash, Ruby, JSON, Perl, PowerShell, and **Python** Scripts. Orchestration of **Docker** images and Containers using Kubernetes by creating whole master and node.
* Responsible for knowledge transfer (KT) and on-boarding support for the different Developer teams on Bit bucket, Bamboo, Crucible, **Jira**, and MS Build. Involved in managing a team of **DevOps** engineer for infrastructure support on **AWS** **cloud**.
* Also developed CI/CD pipeline with **Jenkins** on Google's Kubernetes container environment, utilizing Kubernetes and **Docker** for the runtime environment for the CI/CD system to build, test, and deploy. Involved in fetching and deployment using Net Conf and **python** and Bash Scripts. Working with **DevOps** practices using **AWS**, Elastic Bean stalk and **Docker** with Kubernetes.
* Used security groups, network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in **AWS** public **cloud**. Docketed applications by creating **Docker** images from **Docker** file.
* Collaborating with development teams to enhance deployment processes by implementing Continuous Integration and Continuous Delivery (CI/CD). Implemented a **GIT** mirror for SVN repository which enables users to use both **GIT** and SVN.
* Developed build and deployment scripts using ANT and **MAVEN** as build tools in **Jenkins** to move from one environment to other environments. Created continuous integration system using SVN, Ant, **Jenkins**, chef full automation.
* Implemented a Continuous Delivery pipeline with Kubernetes, Microservices, **Jenkins** & GitHub, **Maven**, **Ansible**.
* Developed procedures to unify streamline and automate applications development and deployment procedures with **Linux** container technology using **Docker** swarm. Worked on google **cloud** platform (**GCP**) services like compute engine, **cloud** load balancing, **cloud** storage, **cloud** SQL, stack driver monitoring and **cloud** deployment manager.
* Run **Jenkins** on-top of Kubernetes to drive all automation with web-hooks tied into our **Git** system.
* Virtualized the servers using the **Docker** for the test environments and dev-environments needs and configuration automation using **Docker** containers. Written **python** scripts to containerize Dockers and orchestrate it using Kubernetes.
* Configured **AWS** Config for setting up CloudTrail and compliance check on **AWS** Resources like **S3**.
* Experienced in creating Security groups, VPC with customized Subnets, Internet Gateways, and Routing tables for Stack setup as well as VPN Tunneling in **AWS** **cloud** environment.
* Managed to set up **EC2** instances with Nginx, Tomcat servers, and also installed **Docker** in the **AWS** **cloud**.

 **Environment:** GIT, EBS, Cloud watch, CloudFormation, Docker, Jira, GCP, AWS, AWS CLI, AWS Auto Scaling, Unix/Linux

**Title: Software Engineer**

**Client: Igate Global Solutions Ltd,India (Mar 2015 – Nov 2018)**

**Responsibilities:**

* Responsible for full-stack, new development and maintenance on company’s massively complex software product.
* Technologies used: JavaScript, JQuery, CSS, UI design, **Java**, J2EE, SQL Server, Node.js, **Python**.
* Created prototype for web push notifications in browser using vanilla JavaScript and Node.js. This prototype was used to implement web push in the application. Created a Node.js test environment for our **REST** endpoints.
* When the operations team quit, I stepped in to help provide 24/7 production support. I responded to production issues by trouble-shooting the production **Linux** application servers and SQL Server databases and implemented fixes. I also learned the production publishes process and successfully performed several publishes to production while we were short-staffed.
* Worked with our **DevOps** engineer to test various development tools to discover which would or would not work for the team.
* Continually researched new, promising technologies and reported my findings to the team.
* Taught classes to other technology team members on topics like **Docker** and **Python**.
* Created **Terraform** templates for the dynamic generation of load balancers, **EC2** instances with auto-scaling, and real-time monitoring across various environments such as Quality Assurance (QA), System Integration Testing (SIT), and staging, resulting in a 40% reduction in manual effort through workflow automation.
* Played a key role in the installation of **Jenkins** master and build nodes and the configuration of **Jenkins** builds using **Ansible** for Continuous Integration (CI) and Continuous Delivery (CD). Delegated tasks to fellow team members via **Jira**.
* Successfully created Continuous Integration pipeline from code commits in **Git** using **Jenkins** servers and resolved build and release job issues, collaborating with engineers on solutions.
* Installation, configuration and troubleshooting of **Microsoft Windows 2008/2008R2/2012/2012R2/2016** Servers on both physical servers and virtual machines Worked on **UNIX**, **Red** **hat** **Linux** ES3.0, **Linux** Desktop, SUSE **Linux** Enterprise Server 9.0 and AIX 5.2/5.1/4.3 and Ubuntu
* Extensive experienced in installing, trouble shooting, upgrading and configuring SUN Solaris 2.x,7,8, 9, 10 & 11 on Sun/Oracle servers and RHEL 4/5/6/7, HP-UX 10.x,11.x, SUSE … OS, Mail Server/ Proxy Server, and Windows Server 2016
* Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on **UNIX** **Red** **Hat** **Linux** Systems Automated the build and deployment process by incorporating **MAVEN** as the build tool in **Jenkin**
* Executed security scans adhering to industry standards through **SonarQube**.
* Designed customized **Ansible** playbooks for orchestrating deployments and for automating routine server administration tasks.
* Established a private **cloud** based on Kubernetes to support development, testing, and production environments.
* Containerized **RESTful** services and pushed images to **Docker** Hub and orchestrated them using **AWS** **EKS**.
* Done Automated Testing using **AWS** lambda functions (**Python**).
* Carried out the micro-based applications deployment of kubernetes objects using **Helm** and managed software releases
* Set up Prometheus and Grafana using **Helm** charts for service monitoring

**Environment:** (Terraform, Jenkins, Ansible, Maven, Kubernetes, AWS public cloud, Linux, Docker, Prometheus, Grafana, Java, REST API, Agile, DNS, Ingress, Load balancer, Microservices, Nginx, Disaster Recovery, RBAC, TLS, DevSecOps)

| **Achievements** |
| --- |

NLP (Natural Language Processing) on Disaster tweets

* Achieved a top 8 percentile score in Kaggle Competition, the task that involved predicting which Twitter tweets in the dataset were related to disasters.
* Designed supervised deep neural networks using Tensor Flow Keras Functional **API** and trained them using labeled sentence vectors emerged from fine-tuned RoBERTa, leading to 85 percentage points in model accuracy for tweet classification.
* Fine-tuned the model for optimal performance on the given dataset, showcasing a strong grasp of deep learning techniques.
* Conducted thorough data preprocessing, including text tokenization.
* Extracted key performance indicators, including Precision, Recall, and F1-score, to assess model effectiveness.

 ***Technology used:- ( Pandas, TensorFlow, Keras, KerasNLP, Pandas, NumPy, Seaborn, Matplotlib, SciPy, Scikit-Learn, Jupyter Notebooks, Discord, and RoBERTa)***