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**AWS Transcript**: https://www.certmetrics.com/amazon/public/transcript.aspx?transcript=7Y8H05T11BFQQT5Y

**Diagram

Description automatically generated**

**Professional Summary:**

* An **AWS Certified DevOps Engineer, Solution Architect, and Developer** having **8+ years** of Experience in IT industry with proven expertise in **CI/CD**, **Automation for Configuration and Provisioning, Build/Release Engineering, Security** and **Software Development** andinvolving **cloud** computing platforms like **Amazon Web Services (AWS), Microsoft Azure,** and **Google Cloud Platform (GCP).**
* Experience in **analysis, development, testing**, implementing **Web based, Client/Server Applications** along with Enterprise and Distributed applications across the entire **Software Development Life Cycle** using **Java and J2EE Technologies**.
* Experience in designing and deploying AWS Solutions using other various AWS Services like **VPC, EC2, AWS EventBridge, S3, CloudWatch, Auto-Scaling, EBS, SNS, SQS, Route 53, Elastic Load balancer (ELB), Security Groups, ECS, OpsWork, Redshift, EMR, SSM, DynamoDB, CloudFormation, Step Functions, Cloud Trail**, **AWS** **CodeCommit**, **CodeBuild**, **CodeDeploy** and **CodePipeline** and Disaster Recovery Services such as **Backup and Restore, Pilot Light, Warm Standby, and Multi-site approach.**
* Experience in implementing and configuring the application by utilizing the various Azure Services such as **Virtual Machines, SQL Database, Azure Storage, Azure Active Directory, Network Virtualization, Content Delivery Network, Azure Data Factory & Storage, Azure Site Recovery, Azure Stack.**
* Expertise with working the different services provided by Google Cloud Platforms such as **Cloud Build,** **Compute Engine, Cloud Functions, App Engine, Cloud CDN, Cloud SDK, Cloud Storage, Cloud Bigtable, Cloud Logging, Cloud Monitoring** and **Kubernetes Engine Monitoring.**
* Implemented and worked with the Azure best DevOps practices for continuous integration and deployment/delivery with available azure services like **Azure Pipelines, Azure Boards, Azure Monitor and Azure Kubernetes Service (AKS).**
* Experience in Building end-to-end **CI/CD** pipelines in **Jenkins groovy script** to retrieve code and push build artifacts to **Nexus** and **JFrog** Artifactory's manages for **Maven** builds.
* Excellent experience on **J2EE design patterns** such as **Business Delegate**, **Service Locator**, **Transfer Object**, **Data** **Access Object**, **Session Facade**, **Singleton** **patterns**.
* Extensive experience in developing scalable, reliable and efficient enterprise applications using **Java**, **Spring**, **Web** **Services**, **RESTful**, **JSF**, **JDBC**, **JSP**, **Servlets**, **EJB**, **JMS**, **XML**, **PL/SQL**, **Unix** **scripting**.
* Strong experience in Spring Framework modules as **Spring core, MVC, AOP (Aspect Oriented Programming), IOC (Inversion of Control), DAO (Data Access Object), IO, JTA, JDBC.**
* Proficient in programming JavaScript data capture and event handling via **Document Object Model (DOM) Layout and DOM functions.**
* Good experience in developing Web applications using **HTML/HTML5, CSS/CSS3, JavaScript (ES5 & ES6), jQuery, Bootstrap, React JS, Node JS, Require JS, XML, AJAX, JSON.**
* Experienced in **installing**, **configuring**, **modifying**, **testing** and **deploying** applications on **Apache** **Webserver**, **Nginx** and **Application** **servers** such as **Tomcat**, **JBoss**. Functional usage and deployment of applications in **WebLogic**, **WebSphere** and **Apache** **Tomcat** **Server**.
* Worked extensively with servers like **Apache Tomcat, JBoss, Nginx, WebSphere and WebLogic** to configure and deploy applications.
* Worked extensively using Java technologies like **Java Beans, EJB, Servlets, JDBC, JSP and Struts**.
* Deployed applications based on Microservices using **Spring Boot, Kubernetes, AWS, and Spring Cloud.**
* Experience with working on Jenkins’s plug-in management areas and implemented several **CI/CD** plugins like **AWS EC2**, **build pipeline, Docker, Git, JUnit** and **pipeline** plug-ins.
* Experience in **Terraform** for building, changing, and versioning of Infrastructure. Wrote **Terraform** Templates for **AWS, Azure, and GCP** cloud infrastructure as a code to build from development to testing to production environments.
* Responsible for developing web applications using **AngularJS/Angular 4/5** and bootstrap hands-on experience in **MVC framework** using **AngularJS, custom Directives, and Controllers**.
* Experience with continuous delivery pipeline **Google Kubernetes Engine, Cloud Source Repositories, Cloud Build,** and **Spinnaker** that automatically triggers build, test and deployment processes.
* Experienced in migration of existing application into **Microservices** architecture using **Spring Cloud and AWS.**
* Experienced on Web Services like **REST, SOAP, WSDL, JSF, HIBERNATE, EJB, XML**
* Strong in design & development of **Single Page Applications (SPA**) using **MVC**.
* Experience in writing **Jenkins** **Pipeline Groovy Scripts** for **Continuous Integration** and built workflows and used Jenkins for uploading Artifacts into the Artifactory and automated various day-to-day administration tasks by developing **Bash, PowerShell, and Python Scripts**.
* Experienced in branching, tagging, and maintaining the version across the environments using **SCM** tools like **Git, GitHub, GitLab, Bitbucket.**
* Proficient in Containerization tools and solutions such as **Docker, Kubernetes, OpenShift, GKE, AWS ECS, AKS, Docker Enterprise, Helm.**
* Experience in **Microservices** Architecture with **Spring Boot, Docker, Kubernetes, Jenkins, Istio, AWS App Mesh.**
* Experience with setup, configuration and maintain **ELK stack (Elasticsearch, Logstash and Kibana),** and **EFK stack (Elasticsearch, Fluentd/FluentBit and Kibana), Kafka, Zookeeper**.
* Experience working with the **Kibana, Grafana, and Prometheus** dashboard for the overall build status with drill down features.
* Handled several Docker components **like Docker Images, Docker Engine, Docker-Hub, Docker Compose, Docker Registry, Docker Swarm.**
* Proficient with the configuration automation tools such as **Ansible, Chef, Terraform, Puppet, Packer, Rudder, Salt.**
* Managed K8s charts using **Helm** and created reproducible builds of the **Kubernetes applications**.
* Hands-on experience on working with System health and performance Monitoring Tools like **Nagios, Splunk, AWS CloudWatch, New Relic, App Dynamics, Zenoss, Zabbix,** and using **EFK Stack (Elasticsearch Fluentd Kibana).**
* Worked with service mesh such as **Istio, AWS App Mesh,** and integrated with **containerized microservices** applications.
* Worked on real time data integration using **Kafka, Spark streaming and HBase**.
* Expertise in using Build Automation and continuous integration tools such as **Gradle, Ant, Maven, Jenkins, AWS CodeBuild, Cloud Build, Bamboo, Circle CI, Travis CI.**
* Experience in Deployment and configuration of Atlassian tool, **JIRA** for both hosting and issue tracking for local instances.
* Experience with the various testing methods and tools such as **JUnit, SoapUI, Selenium, Cucumber, Mocha, Karma, and Sauce Labs.**
* Design, build and manage the **ELK (Elasticsearch, Logstash, and Kibana)** cluster for centralized logging and search functionalities.
* Hands-on experience with the various analytics and AIOps tools such as **Kibana, New Relic, ElasticSearch, FluentD, Logstash, Sumo Logic.**
* Proficient with the different Security and Code Quality Analysis tools like **SonarQube, Snort, HashiCorp Vault.**
* Experience in working with SQL databases like **MySQL, Oracle, SQL Serve**r, and NoSQL databases like **MongoDB, DynamoDB, and Cassandra.**
* Excellent organizational and analytical abilities teamed with effective oral and communication skills and ability to work in complex environments.

**Technical Skills:**

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| --- | --- |
| **Cloud Environment** | Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP) |
| **Programming Languages** | Java, Python, C, C++, Go, .Net, PHP, Golang |
| **Frameworks** | Spring Boot 1.5.6/1.5.2/1.4.6 , Spring 4.3/4.0/3.2.5/3.1/2.0 , Hibernate 5.0.2/4.1.9 , Spring Security 3.2, Django |
| **Web Services** | RESTful, SOAP, Oracle SOA, UDDI, WSDL |
| **Continuous Integration** | Jenkins, AWS CodeBuild, Cloud Build, Travis CI, Circle CI, Bamboo |
| **Automation/Configuration Tools** | Kubernetes, Terraform, Ansible, Chef, Puppet, Docker, GKE, AWS ECS, AKS, Helm |
| **Monitoring & AIOps Tools** | CloudWatch, ELK (Elasticsearch, Logstash, Kibana), Nagios, Splunk, FluentD, Sumo Logic |
| **Source Control Management** | Github, Gitlab, SubVersion, Nexus, BitBucket, Artifactory. |
| **Version Control Tools** | Git, Subversion SVN, TFS, CVS |
| **Service Mesh** | AWS App Mesh, Istio |
| **Database Technologies** | Cassandra, Redis, Snowflake, Oracle MySQL, MongoDB, AWS RDS, DynamoDB, DB2, Sybase, SQL, Postgres, NoSQL. |
| **Security and Quality control tools** | SonarQube, Snort, Veracode, Fortify SCA, Checkmarx SAST |
| **Scripting languages** | Python, Ruby, Bash shell, Power shell scripting, Pearl |
| **Networking/Protocol** | TCP/IP, NIS, NFS, DNS, DHCP, SMTP, FTP/SFTP, HTTP/HTTPS, NDS, Cisco Routers/Switches, WAN, LAN |
| **Bug Tracking and Collabration Tools** | Jira, FindBugs, ServiceNow, Slack, Trello, Remedy, OpsGenie, Agile Central |
| **Application Servers** | Apache, Tomcat, IIS, Jboss, WebLogic, WebSphere |
| **Operating Systems** | Ubuntu, IBM AIX, Windows NT, DEBIAN, Mac OSx, Linux (Red Hat, CENTOS & SUSE), Solaris, HP-UX |
| **Web Technologies** | IntelliJ, Eclipse4.6, Edit plus, Notepad ++, TEXT PAD, JBuilder, Net Beans 8.0.2 |
| **Design Patterns** | Singleton, Command, Iterator, Observer, Chain of Responsibility, Flyweight, Composite |
| **Frontend Technologies** | HTML, DHTML, JavaScript, AJAX, Bootstrap, jQuery, XML, XSLT, XSL, CSS, JSON, Node Js, EXTJS, React |

**Certifications:**

* AWS Certified **DevOps Engineer** – Professional
* AWS Certified **Solution Architect** – Associate
* AWS Certified **Develope**r – Associate

**Professional Experience:**

**Hilti Group November 2019 – Present**

**Plano, TX**

**Role: Sr. Software Engineer**

**Responsibilities:**

* Involved in the development of application using **Agile development process** to gather and analyze the requirements of the application, and to the deployment creating the **CICD pipeline** from the scratch.
* Developed CI/CD pipeline with **Jenkins using Groovy DSL** (Domain Specific Language) for the **Kubernetes** environment and utilized **Kubernetes** for the runtime environment for the CI/CD system to **Build, Test, and Deploy.**
* Leveraged the various AWS services during the software development to deployments such as **EKS, ECR, ECS, EC2, ELB, API Gateway, Lambda, Code pipeline, RDS, DynamoDB, VPC, CloudFormation, System Manager.**
* Used **Angular8, HTML5, CSS3, Bootstrap, JavaScript, AJAX, JSP, Servlets, APIs** for Designed and Developed UI for Customer Service Modules
* Implemented modules using **Core Java APIs, Java Collection, Java 8, multi-threading, and object-oriented designs.**
* Designed and developed asynchronous **RESTful Microservices** using **Spring boot, Couchbase** that are consumed by other **microservices** with an average response time of few milliseconds.
* Worked and implemented the different deployment strategies such as **Blue/Green, Rolling Update, All at once, Canary deployment.**
* Used **AWS App Mesh with EKS** to enhance the **security** by encrypting all requests between services even when they are in your private networks.
* Implemented **Terraform** to manage the **infrastructure for Public Cloud services such as AWS, Azure, GCP** and managed servers using configuration management tools **Ansible**. Execute and accomplish **Lambda** **functions** with **Terraform** and build **Serverless** **apps**.
* Used **AWS App Mesh** to get the end-to-end visibility to capture **metrics, logs, and traces** from all of your applications and combined and export this data to **Amazon CloudWatch, AWS X-Ray, Grafana.**
* Created alarms and trigger points in **CloudWatch** based on metric thresholds and monitored the application performance, **CPU** utilization, Disk usage etc.
* Leveraged **service mesh** policy to drive intended application behaviors.
* Deployed and configured **Elastic search, Log stash and Kibana (ELK**) for log analytics, full text search, application monitoring in integration with **Azure ELK stack.**
* Worked on creation of custom **Docker container images, tagging and pushing** the images to **Docker hub, ECR, ACR**. Also, familiarity with **Docker Swarm.**
* Extensively using **AWS Lambda** in integration with **API Gateway, Cognito** for serverless application design and development.
* Implemented **Kubernetes** to deploy, scale, load balance and manage **Docker** containers with multiple names spaced versions.
* Worked in **Kubernetes** charts using **Helm**. Created reproducible builds of the **Kubernetes applications**, **Kubernetes manifest** files, and releases of **Helm** packages.
* Used **Sprin**g **config server** for centralized configuration and **Splunk** for centralized logging. Used **Concourse** and **Jenkins** for **Microservices** deployment. Integrated **SonarQube** for code analysis.
* Designed and developed **RESTful Web Service layer** and **WSLD.**
* Used Design Patterns like **Singleton, Business Delegate and DAOs** for Data Access layer using **Spring** **JDBC Template** and Stored procedures.
* Used **Hibernate, Redis** cache for query to improve the application performance.
* Developed a **Python Script** to load the CSV files into the **S3 buckets** in order to perform the **ETL** task, and leveraged **AWS Glue, Lambda.**
* Used **REACTJS** to create views to hook up models to the **DOM** and synchronize data with server as a **Single Page Application (SPA).**
* Migrating the existing application into microservices architecture using **REST APIs, Spring boot, Spring Cloud Config, and AWS.**
* Worked with the development team to create new webservices using **ASP.NET with C#.**
* Provides supports to other team to fetch the data from the centralized database using **ASP.NET Web Services.**
* Developed critical components of the application including **Spring forms, Spring controllers, Thymeleaf views**, and business logic and data logic components that include **Hibernate** Entities, **Spring-Hibernate DAO** and **Spring models** following **MVC architecture.**
* Used **Spring AOP, Spring IOC frameworks** extensively during the development.
* Wrote unit test cases for Unit Level testing using **JUnit**, **TestSNG, Mockito**.
* Deployed the **dockerized** spring boot application that is intended to run on development environment using **PCF**.
* Setup the **Chef servers, Chef workstations, Chef nodes** and involved in bootstrapping new infrastructure **Chef nodes** for software configurations management, and also worked with **AWS OpsStack.**
* Implemented and Integrated various services of Azure such as **AKS (Azure Kubernetes Service), ACR, Azure Pipeline, Azure Functions, Azure Key vault, Cosmos DB, Azure Blob, Application Gateway, Azure VNet.** for development, deployment and monitoring.
* Responsible for designing and deploying new **ELK clusters (Elasticsearch, Logstash, Kibana), beats, Kafka, Zookeeper.**
* Developed & Implemented **OAuth2** functionality with **Spring** **Security** to secure the **REST** services/**REST** API for **authentication** & **authorization** and **generate** & **validate** the tokens for **REST** clients to protect the **REST services**.
* Worked on Google cloud platform (**GCP**) services like **Compute Engine**, **Kubernetes Engine,** **Cloud load balancing, Cloud Storage, Cloud SQL, stack driver monitoring, Cloud IAM, Cloud Functions, Firestore, Cloud Armor, BigQuery** and **cloud deployment manager.**
* Used **Stack Driver Monitoring** in **GCP** to check the alerts of the applications that run on the Google Cloud Platform and deployed on **GCP** using Google Cloud Deployment Manager.
* Automated the Build Infrastructure for deploying services in a **Docker** environment using **Jenkins**, **SonarQube, Maven, GroovyDSL, Docker.**
* Worked with **Terraform** Templates to automate the **Azure IaaS** virtual machines using **terraform modules** and deployed virtual machine scale sets in production environment.
* Performed **CRUD** operations using **Spring data Oracle-DB** repositories.
* Implemented **Spring MVC** with Spring Boot which includes writing Controller classes for handling requests, processing form submissions and performed validations.
* Created a continuous integration and delivery (CI/CD) pipeline on **Google Cloud Platform** using **Cloud Build**, and applied the best practices to deploy, canary, and automatically rollback applications to Kubernetes using **Spinnaker**.
* Used **JIRA** to capture, organize and prioritize issues.
* Experienced with working the databases like **MySQL**, **DynamoDB**, **Cassandra, CosmosDB** and **MongoDB.**
* Installed monitoring tools like **Kafka manager, Kafka-tool** and confluent control center to get real time insights into **Kafka** **cluster**.
* Built real time data pipelines by developing **Kafka producers** and **Spark streaming** applications for consuming.
* Wrote **Kafka** **producers** to stream the data from external rest APIs to **Kafka topics.**
* Created quality gates in **SonarQube** dashboard and ensured the pipelines build failed when conditions are not met.
* Sync Elasticsearch Data between the data centers using **Kafka** and **Logstash**. managing **Kafka** Cluster and integrated **Kafka** with **Elastic search.**
* Created and configured management reports and dashboards in **Splunk** for application log monitoring.

**Environment**: AWS, GCP, CI/CD, EC2, S3, Terraform, AWS Lambda, Cloud-formation, Python, Shell/Bash, JAVA, Jenkins, Git, GitHub, GitLab, Ansible, Ansible Tower, Docker, Kubernetes, Maven, ANT, Linux, Cloud-watch, SQS, RDS, ELK, Jira, DynamoDB, RDS, SonarQube, Ansible Vault, Java, Hibernate, Angular6, SQL, Restful API.

**Premier, Inc January 2019 – October 2019**

**Charlotte, NC**

**Role: Lead Cloud Engineer**

**Responsibilities:**

* Engineered and fully automated **deployment**, **environment**, **network**, and **infrastructure** utilizing **Ansible, Docker, Kubernetes, Terraform, CloudFormation**, and a range of **AWS and Azure** tools.
* Functioned **Jenkins** pipelines to drive all **Micro services** builds out to the **Docker** **registry** and then deployed it to **Kubernetes**. Created **Pods** and managed using **Kubernetes**.
* Converted a **monolithic app** to **microservices** architecture using **Spring Boot**. Deployed, Scaled, Configured, wrote manifest file for various **Microservices** using **Kubernetes**.
* Used **Istio Service Mesh** to connect, secure, control, and observe **microservices** for automatic metrics, logs, and traces for all traffic within a cluster, including cluster **ingress and egress.**
* Preformed CRUD operations in both **SQL and NOSQL** databases.
* Implemented the various Disaster Recovery strategies provided by AWS such as **Backup and Restore, Pilot-Light, Warm Standby, and Multi-Site approach** based on the situations.
* Implemented continuous integration and deployment system with **Jenkins**, **AWS Code Deploy, Ops Works** and monitored the Infrastructure using **AWS Cloud Watch.**
* Extended On-premises infrastructure storage to **AWS** by using **Storage gateways** and created **S3** buckets, configuring buckets with **permissions, logging, versioning and tagging.**
* Created the different **CloudWatch Event Rules** in order to automate the various tasks and set the set targets to **Lambda, SNS, SQS, Step Functions.** Configured **monitoring**, **log aggregation**, and **alerting** using **CloudWatch, SNS, and S3.**
* Experienced with using the AWS Services like **AWS Config, SSM, Amazon Inspector, AWS Organizations**.
* Used **Kinesis Streams, Kinesis Data Firehose, Kinesis Analytics** for real data-processing especially customer click in website and store that data in **S3** too.
* Implemented **REST Microservices** using **Spring boot**. Generated Metrics with method level granularity and Persistence using **Spring AOP** and **Spring Actuator.**
* Implements the **Apache Kafka** cluster as messaging system between the **APIs** and **Microservices**.
* Used **Spring Core** annotations for **Spring Dependency Injection, Spring MVC** for **Rest API’s** and Spring Boot for microservices.
* Developed code for Responsive web design in JavaScript using frameworks like **Angular.js, React.js**.
* Worked on version control systems like **Subversion, GIT** by using source code management client tools like **Tortoise SVN, GitBash, GitHub, Bitbucket,** and other command line applications.
* Worked on Integrating Code scan tools **like SonarQube, Fortify Code Analyzer** on **Azure DevOps** Build Server and integrating scan tasks in the Build Pipelines to resolve vulnerabilities and blocker issues related to code.
* Worked on **Azure Site Recovery** and **Azure Backup-Deployed Instances on Azure environments** and collecting data from all Azure Resources using **Log Analytics** and analyzed the data to resolve issues.
* Containerize existing applications into Docker images and running them on **Azure** **Kubernetes** **Service** (**AKS**). Integrating with **Azure** **Devops** for **CI**/**CD**.
* Executed the automation from commit to deployment directly into Azure VM using **Azure DevOps pipeline** for implementing a **CI/CD pipeline**.
* Consumed messages from **JMS-Message** driven beans and Integrated with **ActiveMQ** service with **Beans**.
* Have knowledge on partition of **Kafka** messages and setting up the replication factors in **Kafka Cluster.**
* Implemented to reprocess the failure messages in **Kafka** using offset id.
* Creating **ARM template**s for Azure Platform and Ability to create scripts using **Azure PowerShell** during for **automation** and **build** process and **Auto Deployments**.
* Installed, configured, and maintained **ELK stack systems**.
* Wrote **Ansible** playbooks, inventories and created custom playbooks written in **YAML** language, encrypted the data using Ansible Vault, and maintained and troubleshot role-based access control by using **Ansible Tower**.
* Designed, built, and maintained **Log aggregation, Log parsing, Kibana and Grafana** dashboard.
* Monitored the **Splunk** infrastructure for capacity planning, scalability, and optimization.
* Installed, Configured, Maintained, Tuned and Supported **Splunk Enterprise Server 6.0** and **Splunk Universal Forwarder 6.0.**
* Efficient experience using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as **war**, **jar** & **ear** from source code.
* Worked on **Tomcat, JBoss, Web Logic and Web Sphere Application servers** for deployments.
* Used **Splunk** **Dashboard** responsible for the end-to-end event **monitoring** and **log** **analytics** generated by **Fluentd** of business-aligned applications.
* Developed **Microservices** for Java Applications and enabled communication among them using **REST API**.
* Coordinated developers with establishing and applying appropriate branching, labeling/naming conventions using **Git** source control.
* Wrote **Chef** **Cookbook** to install **Tomcat** Server and deploying web application on Tomcat server from **Nexus** **antifactory** to maintain the **continuous** **Deployment**.
* Utilized Virtualization technologies like **VMWare, Virtual Box**, and worked with containerizing applications like **Docker, Kubernetes** and worked on **Apache and Firewalls** in both development and production.

**Environment**: AWS, AZURE, Chef, Docker, Ansible, Jenkins, Terraform, Kubernetes, ANT, Maven, Ruby, Shell, Python, WebLogic Server 11g, Load Balancers, WLST, Apache Tomcat 7.x, Virtualization, Configured plug-ins for Apache HTTP server 2.4, Nginx, LDAP, JDK1.7, XML, GitHub, Nagios, Splunk, Java, Spring Framework, Spring Boot, JavaScript, Bootstraps, MangoDB, SQL.

**LHC Group May 2017 – December 2018**

**Lafayette, LA**

**Role: Site Reliability Engineer**

**Responsibilities:**

* Automate the builds and deployments for several **AWS** Cloud Solutions in the Digital Platform using **CloudFormation** Templates and Cloud Formation Stacks.
* Used Jenkins to deploy applications and ran unit tests written in **Golang**.
* Experience writing Docker files for deploying **Golang** applications on amazon Linux Operating System and **AWS** cloud platform.
* Used **Ansible** and **Terraform** for creating subnets, security groups, route tables, **IAM** Groups, and **ACLs** for **VPC** creation in the AWS Cloud Environment.
* Wrote **Ansible** Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS nodes and Tested **Playbooks** on **AWS** instances using **Python** and responsible for running Ansible Scripts to Provide Dev Servers.
* Troubleshooting Linux network, security related issues using tools such as **IP tables, firewall, TCP wrappers, NMAP.**
* Performed the deployment of release to, various QA & UAT in Linux environments.
* Integrate static code analysis and used different security scanning tools **SonarQube**, **Fortify** (SAST Scans) and **JFrog** X-**Ray** for code quality in all the builds using **Jenkins**.
* Used **Network Attached storage (NAS**) Storage service to allow storage and retrieval of data from a centralized location for authorized network users and heterogenous clients.
* Participated in problem resolving, change, release, and event management for **EFK stack**.
* Implemented real time log analytics pipeline using Confluent **Kafka, storm, elastic search, Logstash Kibana, and Greenplum.**
* Used **Kafka** to transfer the data from different RDMS producers and **Greenplum** was the consumer of the **Kafka** data.
* Custom **Bash** **Scripts** to install and run the required software and configurations.
* Created topics on **Apache Kafka** distributed messaging system.
* Wrote **Python** script to send messages/metric from **AppD** to **Google Cloud Platform** (**Google** **PubSub** **Topic**) & from **PubSub** to SLO Dashboard
* Tasks involved OS installation, building and configuring from source packages such as **Apache**, **PHP**, and **MySQL** and setup of **Drupal**. In addition, was involved in configuring high availability cluster environments using **RHEL** Conga.
* Also worked on projects to deploy **DNS** master and slave servers, **HTTP** proxy servers, and **Squid** servers.
* Served as system administrator in a mixed **RHEL/CENTOS/Ubuntu** Linux environment supporting Confidential development infrastructure.
* Managed Docker orchestration and **Docker** containerization using **Kubernetes**. Used **Kubernetes** to orchestrate the deployment, scaling, and management of Docker Containers.
* Developed and integrated new monitoring and testing solutions, ensuring that all company policies and procedures were followed.
* Diagnosed, investigated, and resolved all IT incidents and improved the uptime for the services provided to the end-client.

**Environment**: AWS, RHEL, GCP, Docker, Kubernetes, Centos, Ubuntu, Artifactory, Terraform, Ansible, NMAP, TCP wrappers, Firewall, SonarQube, Jenkins, MySQL, PHP, Apache

**Eastern Illinois University January 2016 – March 2017**

**Charleston, IL**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Designed and coded application components in an **Agile/TDD** environment utilizing a test-driven development and **SDET** approach and pair-programming.
* Experience in Design, Development and implementation of several J2EE frameworks like MVC **Struts1.1/1.2, Spring, Hibernate and EJB2.0.**
* Worked on Angular client-side **JavaScript** **framework**, or similar **Dojo**, **Backbone**, **Ember**.
* Developed DIS web application using **spring MVC**, **Spring IOC**, **Spring JDBC**.
* Experience in configuring and deploy in Web Application using **Web Logic, WebSphere, JBoss, Tomcat and Apache.**
* Utilized **Log4j** logging API for debugging and monitoring purposes.
* Used Core Java **Collections, Exception Handling, Multithreading, Serialization and Java 8 features like Lambda expressions, Stream API, Bulk data operations on Collections** which would increase the performance of the Application, facilitate pipeline processing and Method references.
* Used **J2EEDesignPatterns** like MVC (Model View Controller), Singleton, Factory**, DAO (Data Access Object), DTO (Data Transfer Object) and Service Locator**
* Designed **SPA (Single Page Applications**) using Angular JS concepts of Components, Directives, Services, Promises, Templating, Scope, Dependency Injection and two-way data binding.
* Used $**http** with Angular JS interceptors to make sure the requests were valid and used ng-router to handle nested views and avoid page redirection.
* Implemented the application using Spring Boot framework and handled security using Spring Security for implementing authentication, authorization and Access-Control features.
* Implemented Micro Services using **PCF** (**Pivotal Cloud Foundry**) platform.
* Responsible for creating and Launching Amazon EC2 cloud instances using Amazon Images, ELB, RDS, Auto Scaling groups, Security groups, EBS volume snapshot.
* Migrated complex **Map Reduce** programs **into Apache Spark RDD transformations**.
* Follow TTD (**Test Driven Development**) methodology to write unit tests with **JUnit**.
* Implemented **Hibernate** **Connection** **Pooling**, **HQL**, **Hibernate** **Caching**, **Hibernate** **Transactions**.
* Used Hibernate extensively to have database access mechanism with complex queries through Hibernate Query criteria interfaces and hibernate to deal with the database.
* Designed Android Mobile Applications, Used Android Content Providers for implementing features like sending E-mails, SMS, etc. from the app and designed GUIs for these applications.
* Used JIRA and supporting **CI/CD tools**, and **JIRA** for bug Tracking and Project Management.
* Extensive experience in using Build Automation DevOps tools like, **ANT**, **Maven**, **Artifactory**/**Nexus**, **Anthill** **Pro** and **Hudson**/**Jenkins**, **Bamboo**.

**Environment**: Java, J2EE, JavaScript, HTML, CSS, JSF, QA, DEV, MySQL, DAO, JDBC, JQuery, SQL, PL/SQLEclipse, JavaBeans, UML, JSP, JSON, Shell Scripting and WINDOWS 7, Jenkins, Git, J-unit, Selenium, Maven, QA, DEV, SOAP, WEB LOGIC, JDK

**EKbana Solutions June 2014 – December 2015**

**Kathmandu, Nepal**

**Role: Linux System Administrator**

**Responsibilities:**

* Performed configuration of standard Linux and network protocols, such as **SMTP**, **DHCP**, **DNS**, **LDAP**, **NFS**, **HTTP**, **SNMP** and others.
* Involved in hardening, Linux Server and Compiling, Building and installing Apache Server from sources with minimum modules.
* Administration of **UNIX** servers like **AIX** and **Sun Solaris** in both test and production environment and applied patches
* Troubleshooting Linux network, security related issues, capturing packets using tools such as **IPtables**, **firewall**, **TCP** **wrappers**, **NMAP**.
* Created virtual servers on **VMware** **ESX**/**ESXi** and installed operating system on Guest servers.
* Monitor disk usage with **du**, **df**, **lsblk**, **lvscan, vgscan, pvscan.**
* Installed **Red Hat Enterprise Linux** 5/6/7.x on multiple Dell 2950 Servers and **HPE** **ProLiant** DL360 Gen10 Servers.
* Configured and optimized servers for maximum functionality and availability.
* Experience in troubleshooting, optimizing, and performing tuning of applications, databases, and Linux systems.
* Experience with Nagios monitoring software, writing scripts to extend monitoring capabilities.
* Experience in creating physical volume, logical volume, volume groups using **LVM (Logical Volume Management).**
* Works with advanced engineers on installing and configuring **VMware/ESXi 5.x/6.x Servers for virtualizations.**
* Installed and configured operating systems on physical hardware and a virtualize environment**; (i.e. RHEL5,6, 7/Centos 6,7 Linux**).
* Performing kernel and database configuration optimization, I/O resource utilization on disks.
* Monitoring CPU, memory, physical disk, hardware and software raid, multipath, file systems, network and automated repetitive tasks using Perl and Shell Scripting.
* Performed backup and restore of VMware host server configuration, Virtual Machine backup, snapshots, patch updating, monitoring/reporting, **SSH** and **SNMP** and notification of alerts.

**Environment**: RedHat 5.x, CentOS, Solaris 9,10, Windows, VMware vSphere 3.1/4.x, ESXi 3.1/4.x, TCP/IP, NFS, LVM, DNS, LDAP, Kickstart, Solaris Volume Manager (SVM), Shell, Perl.

**Bidhee Pvt. Ltd April 2012 – May 2014**

**Kathmandu, Nepal**

**Role: Jr. Java Developer**

**Responsibilities:**

* Worked as per **Agile Methodology** (Scrum) to meet customer expectation, timelines with quality deliverables.
* Optimized and cleaned up multiple levels of legacy back-end systems, yielding up to 60% increase in both space- and time- efficiency.
* Developed Single page application and structured the **JavaScript** code.
* Written **ANT** scripts for building application artifacts.
* Requirements gathering Analysis, Design, Business logic implementation and Unit testing, Deployment and Maintenance of the Application.
* Built mock-ups of user screens and prototypes for both web apps and built the pages using **HTML**, **CSS**, **JQuery** and **JSPs**.
* Maintained documentation on internal web applications, processes, and setting up local development environment and assisted in **CVS** to GitHub migration of Java web applications.
* Demonstrated strong knowledge of IT strategies and tactics by effectively maintaining and supporting applications and suggesting many new approaches adopted by top management.
* Used **Spring MVC** module to write **REST** controllers, map **URL's** for the request and present with different views for different use cases.
* Skilled in leading frameworks as **Node**.**js** to build high-quality, scalable, and reusable components and Front-end solution, and Performed client-side validation using JavaScript.
* Handled response data from **RESTFUL** webservices using **XML**, **JSON** and **JQuery** to update UI Interacted with **java** controllers
* Implemented Core Java **OOPS** technology along with Multithreaded environment to resolve the problem of concurrency.
* Also applied multi-threading with Java **Collections** and **Generics**.
* Used **JIRA** ticketing system to keep track of issues and tasks on individuals.
* Demonstrated ability to query large databases using **CRUD** commands within SQL.
* Built the Application using Design Patterns- **Singleton, Factory, DAO & Composite view.**
* Implemented with Core Java with **Multithreading**, **Concurrency**, **File Handling I/O, Generics, Data Structures and Collections, Garbage Collection.**
* Analyzed an existing java web application finding architectural flaws and explaining why it performs badly under some situations.

**Environment**: Core Java, Struts, JSP, Servlet2.5, HTML, Hibernate, JavaScript, JPA, Apache Tomcat, MySQL, JSON, jQuery, Singleton, Factory, DAO, Multithreading.