

## Akash Basa

### CAREER SUMMARY

- Around 11+ years of extensive experience in Automating, configuring and deploying instances on cloud environments and Data centres. Experience in the areas of DevOps, CI/CD Pipeline, Build and release management, AWS/Azure and Linux Administration.
- Involved in designing and deploying applications utilizing all the AWS stack Including EC2, Route53, S3, ELB, EBS, VPC, RDS, DynamoDB, SNS, SQS, IAM, KMS, Lambda, Kinesis and focusing on high-availability, fault tolerance and auto-scaling in AWS Cloud Formation, deployment services DevOps Works and Cloud Formation and security practices IAM, Cloud Watch, Cloud Trail.
- Worked in container-based technologies like Docker, Kubernetes and Open Shift
- Expert in configuring AWS Elastic Bean Stalk to deploy applications, to perform application health checks, & auto scaling of application resources. Experienced in integrating AWS Lambda with AWS DynamoDB to automatically respond to events in DynamoDB streams.
- Experienced in Azure IaaS, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps and Creating Web-Jobs, Azure Windows server, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
- Create automation and deployment templates for relational and NoSQL databases including MSSQL, MySQL, Cassandra and MongoDB in AWS.
- Strong knowledge of various Azure components like Virtual Network, Express Route, Traffic Manager, Load Balancer, Azure Active Directory, Azure AD DS and Azure DNS.
- Expertise in working with Docker to improve our Continuous Delivery (CD) framework to streamline releases. Worked on Docker container snapshots, attaching to a running container, removing images, managing director structures and managing containers.
- Experience in using monitoring tools like Nagios and Splunk to improve application performance, helps to get the visibility & business context to meet business demands.
- Worked on docker images to install SonarQube.
- Understanding of Cloud Environment like AWS, Azure, PCF (Pivotal Cloud Foundry)
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, on Google Cloud Platform (GCP). Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploys.
- Hands on experience in designing, developing, and maintaining software solutions in GCP environment.
- Building dashboards in GCP based on websites hosted on the same platform.
- Hands on experience build, support public cloud (Azure, AWS, GCP) projects and programs.
- Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
- Used Splunk data Connector between Splunk Enterprise and Relational Database.
- Designing and maintaining production-quality Splunk dashboards.
- Configured and installed monitoring tools Grafana, Kibana, Log stash and Elastic Search on the servers.
- Created clusters using Kubernetes and worked on creating many pods, replication controllers, services, deployments, health checks, labels and ingress by writing YAML files
- Experienced in Creating the TERRAFORM templates to launch Network stack and Instances.
- Experienced in build and release automation of Java, Python, SOA and Web based applications.
- In depth knowledge of Cloud Computing Strategies (IaaS, PaaS, SaaS)
- Knowledge in development and configuration with software provisioning tools like Chef, Puppet and Ansible.
- Built Automated End to End CICD Pipelines for build automation against all CICD environments using Declarative Syntax.

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- Proficient with Cloud bees Jenkins Master and Minion roles configurations as well as integrations with GitHub to trigger automated deployments.
- Proficient in Git Flow and Trunk based branching strategies as well as Peer review best practices using GitHub.
- Configured Jenkins jobs with the ANT scripts for various deployments of JAVA/J2EE and Python enterprise applications.
- Used Docker to virtualize deployment containers and push the code to instances cloud using PCF.
- Experienced in converting build.xml into pom.xml to build the applications using MAVEN.
- Proficient in Release Artifact management and version control for Artifacts generated by MAVEN in the Nexus Repository.
- Hands-on experience in deployment automation using Shell/PowerShell Scripting with concentration on DevOps
- Work experience on Multiple AWS instances, Creating Elastic Load Balancer and Auto scaling to design cost effective, fault tolerant and highly available systems.
- Experience is using Tomcat, JBOSS, Web logic and Web Sphere Application servers for deployment.
- Troubleshoot the build issue during the Jenkins build process and Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Deployed the artifacts in Nexus/Artifactory central repository for internal deployments and Managed Nexus repository for the current project created a new repository and provisioned it.
- Used Kubernetes to provide a platform for automating deployment, scaling, and operations of application containers across clusters of hosts.
- Implemented AWS Code Pipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
- Automate provisioning and repetitive tasks using Terraform and Python, Docker container, Service Orchestration.
- Good working experience on scripting languages like Shell, Perl, Python, PowerShell, Ruby, Bash. Ability in development and execution of XML, Shell Scripts and Perl Scripts.
- Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.

### TECHNICAL SKILLS

- |  |   |   |
|--|---|---|
| • Operating Systems                      | : | Linux RHEL (Red Hat 4/5/6), Ubuntu, Centos, Windows NT 2000/2003/2007.              |
| • Programming Language & Scripting Tools | : | Bash, Python, Ruby, Java, React, Redux, HTML, CSS, JavaScript                       |
| • Configuration Management & Build Tools | : | Chef, Ansible, Maven, Gradle, Jam, and Bazel  |
| • Data Base                              | : | MongoDB, Dynamo DB, ELK, Oracle 10.x, MySQL 5.0.2, SQL Server 2005                  |
| • Networking                             | : | TCP/IP, NFS, DNS, DHCP, Cisco Routers/Switches, WAN, LAN, SMTP                      |
| • Containerization                       | : | Docker, Kubernetes  |
| • Web Technologies                       | : | Tomcat, APACHE 2.x, 3.x, F5 Load Balancers, Web Logic (8/9/10) & Web Sphere 4.0/5.0 |
| • Version Control Tools                  | : | Git, Subversion, Bit bucket   |

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- Cloud Technologies : AWS (EC2, S3, VPC, EBS, S3, EKS, ECR, ECS, Route53, SES, SQS, SNS, Cloud Formation, CDN, Cloud Trail, Cloud Watch, RDS, Elastic Cache, IAM), Microsoft Azure
- Logging & Monitoring Tools : Splunk, ELK, Data Dog, Nagios, New Relic
- Methodologies : Agile, Scrum, Waterfall

### ACADEMIC QUALIFICATION

- New England College, Masters in Computer Science and Information Systems, 2018

### CERTIFICATION

- AWS Developer - Associate (SKWGKMDDD2E4129R)

### PROJECT SUMMARY

<b>Client Name</b>	Capital One, Mclean, VA
<b>Duration</b>	November 2018- Till date
<b>Role</b>	DevSecOps Engineer/Lead
<b>Technologies</b>	<p>Ansible, Jenkins, Git, Splunk, PERL, Groovy, Mongo DB, Python, Gradle, Maven, Open Shift, Terraform, SonarQube, Bash, Amazon Web Services, Chef, GCP, Cloud Watch, Elastic Search, Artifactory, PCF, ELK, Yaml, Docker, Grafana, Spark, Cucumber, Marathon, Selenium, Kubernetes, Elastic container services / Azure Container Services.</p>
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Expertise in writing Ansible Playbooks, modules and roles. Utilized Ansible for configuration management of hosted Instances within AWS.</li> <li>• Extensively worked on Jenkins for continuous integration from pulling up the code from version control tools like GIT, SVN, CVS, IBM Clear Case and building Artifacts using build tools like Ant, Maven and Gradle. And deploying them into artifact repositories like Nexus and Maven.</li> <li>• Implemented Security Scans like Static and Dynamic Application testing at each layer of DevOps life cycle and converted the existing DevOps methodologies/workflows to DevSecOps model.</li> <li>• Implement a standard DevSecOps pipeline cross multiple application development teams.</li> <li>• Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.</li> <li>• Setup and build AWS infrastructure various resources, VPC EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.</li> <li>• Proficient in writing AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB's and Security groups.</li> <li>• Experience in GCP networking, Configuration Management Tools like Ansible, Chef, Salt, and Puppet as well as container technologies (Docker, Kubernetes or similar).</li> <li>• Support development team with deployment workflow and continuous integration using GitLab, GitLab-ci, Run deck, Docker and Salt Stack provisioning.</li> </ul>

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- Experience with Terraform in managing at least one full-scale infrastructure in GCP, AWS.
- Design and Implement End to End Search Service Solution using Elastic Search.
- Experience in deploying services including JENKINS and Nexus on Docker using Terraform.
- Involved in defining, developing and maintaining an Application Release Road map over different environments to facilitate an agile development process which is automated and repeatable enabling teams to safely deploy code many times a day while ensuring operational best practices are supported.
- Implemented Infrastructure automation through Ansible, for Auto provisioning, Code deployments, software installation and configuration updates.
- Experience in deployment Automation using multiple tools Chef, Puppet, Jenkins, GIT, TFS, and SonarQube ANT Scripts.
- Experience in Installing, Configuring, Managing the Monitoring tools such as Splunk, Nagios, ELK and New Relic for Resource Monitoring/Network/Monitoring.
- Implemented a centralized logging system using log stash configured as an ELK stack (Elastic search, Log stash, and Kibana) to monitor system logs, AWS Cloud Watch, VPC Flow Logs, Cloud Trail Events, changes in S3 etc.
- Responsible for Java Application Server administration and tuning experience (e.g., JBoss, Web Sphere, Tomcat).
- Expert in working with PowerShell, Shell scripting and Yaml for developing the customer requirements.
- Managed Kubernetes charts using Helm and creating reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
- Experience in JIRA for ticketing and as well as defect tracking system and configure various workflows, customizations and plugins for JIRA bug/issue tracker.
- Used Jenkins as Continuous Integration tools to deploy the Spring Boot Micro services to Pivotal Cloud Foundry (PCF) using build pack.
- Develop the Jinja2 templates and pushed into Artifactory to deploy on servers using automation tool Ansible.
- Used Ansible to configure and manage infrastructure, created Playbooks to automate the configuration setups, Established Ansible Best practices approaches to system deployment with tools with Vagrant and managing Ansible Playbooks as a unit of software deployment and independently version controlled.
- 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.
- Expert in creating modular roles for Ansible modules which can be reusable to automate the deployment without errors.
- Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on Google Cloud Platform (GCP).
- Experience in working over Apache Spark, Kafka, Hadoop, Cassandra under the environment of Apache Mesos. Also used Apache Oozie and sparklow.
- Experience on container management tools Docker, Mesos, Marathon and Kubernetes. Also used to manage clusters of nodes using docker swarm,

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compose, DC/OS and Kubernetes clusters.

- Developing the deployment & delivery pipelines in Jenkins and integrating it with various application specific testing tools (Selenium, Cucumber & SonarQube) for code quality during continuous delivery.
- Responsible for Installing, setup and Configuring Apache Kafka.
- Written Templates for AWS infrastructure as a code using TERRAFORM and CLOUDFORMATION to build staging and production environments.
- Managed Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible.
- Used CI/CD tools Jenkins, Git/GitLab's, Jira and Docker registry/daemon for configuration management and automation using Ansible.
- Work with Development, Storage and Network teams on installation and administration of MongoDB in the IT Enterprise Environment.
- Clustering the Docker containers with the help of Kubernetes on the Open Shift platform
- Created Splunk dashboard for Artifactory application and Monitored server logs. Configured email notifications etc., for Artifactory critical errors.
- 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.
- Use Cloud Watch to keep track of servers.
- Maintain GIT Repositories, Handled Releases and Branching activities for GIT.
- Used Ansible-Vault to Encrypt and Decrypt the file and Deployed on Client servers using AWX.
- Build the RPM packages for Linux and Chocolatey packages for windows as per the requirements.
- Customize the Choco packages with using PowerShell script.
- Experience with GOlang, Kubernetes and Open Shift micro-services architecture, and Docker containers
- Expert in working with PowerShell, Shell scripting and Yaml for developing the customer requirements.
- Used Jenkins to automate most of the build related tasks.
- Manage and migrate physical servers (Linux, Windows) to Cloud and VMware such as AWS, Docker and ensure they operate properly.
- Support designing and dev. groups with on boarding/sending cloud, virtualized administrations/or potentially empowering automation.
- Worked on Software Development Life Cycle (SDLC) methodologies such as Agile and SCRUM.

<b>Client Name</b>	AON, Dallas, Tx
<b>Duration</b>	June 2017 - October 2018
<b>Role</b>	Lead Devops Engineer/AWS Engineer
<b>Technologies</b>	Red hat Linux 7.x, Dashboards, PHP, Groovy, Yaml, AWS, AZURE, Chef, Docker, Ansible, Jenkins, Terraform, Kubernetes, Open Shift, ANT, Maven, MongoDB, Ruby, Shell, Jira, PCF, Python, Load Balancers, Apache Tomcat 7.x, Virtualization, Configured plug-ins for Apache HTTP server 2.4, Nginx, LDAP, JDK1.7, XML, SVN, GitHub, Nagios,

## Splunk.

- Manage all aspects of the end-to-end Build/Release/Deployment process for multi-Project
- Design EC2 instance architecture to meet high availability application architecture, deploying, configuring, managing servers in AWS, created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
- Support, troubleshooting, problem resolution for the developed Cloud Formation scripts to build on demand EC2 instance formation.
- Building and maintaining CI/CD toolkit (SVN, Ant, Maven, Jenkins, SonarQube, Nexus, IBM Rational Clear Quest & Puppet) for monitoring, troubleshooting, and resolving issues in dev., test, prod and on AWS Cloud.
- Experience in using MEAN Stack and NoSQL databases such as MongoDB, Dynamo DB and RDBMS like SQL, MySQL and Oracle.
- Experience with authoring code for Azure Pipelines (YAML based multi-stage) and set up workflow for deployment using the pipelines
- Use Amazon RDS MySQL to perform basic database administration, set up Dynamo DB for NoSQL data for other teams on lightweight Docker containers with elastic search and quick indexing.
- Migrating Services from On-premise to Azure Cloud Environments, collaborating with development and QA teams to maintain high-quality deployment.
- Familiar with changes necessary to maintain performance levels of applications when transitioning from on-premise environments to IaaS public clouds (GCP).
- Experienced in Azure IaaS, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps and Creating Web-Jobs, Azure Windows server, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
- Installed Pivotal Cloud Foundry (PCF) on EC2 to manage the containers created by PCF. Used Docker to virtualize deployment containers and push the code to EC2 cloud using PCF.
- Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling Kubernetes AWS infrastructure and micro service container orchestration.
- Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev. servers.
- Worked on Continuous Integration CI/Continuous Delivery (CD) pipeline for Azure Cloud Services using chef.
- Worked on configuring Azure web apps, Application gateway, DNS, Azure Traffic manager, App services, Analysing Azure Networks with Azure Network Watcher, Implementing Azure Site Recovery, stack, Backup and Azure Automation.
- Working with JIRA for bug tracking, handling Tickets, Project tracking, creating Projects, assigning permissions to users and groups for the projects and also creating Mail handlers and notification Schemes for JIRA.
- Used Splunk data Connector between Splunk Enterprise and Relational Database.
- Utilized Puppet for configuration management of hosted Instances within AWS.
- Good understanding of CI/CD & DevOps (Jenkins/Cucumber/Perforce/Artifactory/GIT/Perforce).
- Collaborate to development of main Web Applications to provide invoicing

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emission services, Responsible of web application deployments over cloud services on Azure, using PowerShell.

- Migrating a production infrastructure into an Amazon Web Services VPC utilizing AWS Cloud Formation, EC2, S3, Chef/Ops Works, Cloud Watch, Cloud Trail, EBS, Route 53, IAM etc. This included migrating a number of production MySQL databases into RDS/ Elasticache, rewriting a large set of monolithic recipe-based cookbooks as Provider and Attribute-driven wrapper cookbooks.
- Worked with Ansible (automation tool) to automate the process of deploying/testing the new builds in each environment, setting up a new node and configuring machines/servers.
- Developed many Open Shift/Kubernetes templates for various applications like Jenkins, Kafka, Cassandra, Memcached and Grafana.
- Developing applications for a cloud environment (Cloud Foundry, Kubernetes, Azure, AWS, GCP)
- Implementing a Continuous Delivery framework using Jenkins in Windows & Linux environment.
- Set-up and maintain fully automated CI/CD pipeline for multiple Java using Git, Jenkins, Puppet / Chef.
- Optimized volumes and EC2 instances & Created multi-AZ VPC instance
- Installation configuration and administration of MongoDB databases
- Automation of Redshift, EC2, RDS, Elasticache.
- Used Chef to configure and manage infrastructure. Written cookbooks to automate the configuration setups.
- Implemented Branching strategies using Git and responsible for creating branches and resolving the conflicts while merging in Git and performed migration setup from SVN to Git using bit buckets.
- Installed and configured Nexus for artifacts repository. Published snapshot and release versioned artifacts into Nexus repository.
- Implemented CI and CD for application using Jenkins as CI tool for integrating different tools like GitHub, Maven, JUnit, and Nexus Artifactory and used Ansible as configuration management tool for continuous deployment into testing, staging and Production Environment.
- Performed configurations from Jenkins to nexus and maintained Jenkins to implement the CI process.
- Performed configurations from Apache tomcat and Web Logic to Jenkins.
- Configured and developed build and deployment scripts using ANT/Maven as build tools and Jenkins as automation tool to move from one environment to other environments.
- Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and also automated the whole process.
- Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
- Enabled customers to better manage software development, deployments and infrastructure with tools such as Jenkins, GitHub, Maven, Gradle, Chef, Ansible, Kubernetes, OpenShift and acquired consistency, stability and reliability.
- Experience in implementing Chef and Docker, and used Chef Server and

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workstation to manage and configure nodes.

- Using Terraform as a tool, Managed different infrastructure resources Cloud, VMware, Bare Metal Servers and Docker containers. Also, configured RDS instances and map more complex dependencies and identify network issue using Terraform.
- Used Terraform for building, changing, versioning infrastructure and collaborate the automation of Azure Infrastructure via Terraform and Jenkins.
- Work on AWS OPS Works in integration with Chef Configuration management tool to maintain infrastructure.
- Configured the Ansible playbooks with Ansible Tower so that other users can run them with just a push of a button.
- Created framework from scratch for TS2/TSYS (TSYS provides payment processing and is Mainframe application), PACER (Public Access to Court Electronic Record) and RECAP application with Ruby Cucumber.

<b>Client Name</b>	Conduent, Indianapolis, IN
<b>Duration</b>	June 2016—May 2017
<b>Role</b>	Lead Devops Engineer/AWS Engineer
<b>Technologies</b>	C#, Ansible, Terraform, Groovy, Artifactory, Dashboards, GitHub, Web API, Restful APIs, MongoDB, PCF, Bootstrap, Gradle, Visual Studio 2008/2010/2013, Jenkins, Splunk, Scrum, Docker, PHP, SQL Server 2005/2008, Gradle, Microsoft Power Shell, WPF, Microsoft Azure, AWS Redshift, Elastic Search.
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Worked with Azure Express Route to create private connections between Azure datacentres and infrastructure for on premises and in colocation environment.</li> <li>• Worked with XML files, to configure the .NET core application as well as PowerShell code.</li> <li>• Identified and logged defects in VSTS and interacted with developers to priorities the issues.</li> <li>• Ownership for Azure SQL server DB deployment &amp; managed the continues integration &amp; continues deployment.</li> <li>• Developed Ansible scripts in YAML for an automated server provisioning and Docker images, reducing the time between provisioning and deployment.</li> <li>• Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure V. Nets and subnets.</li> <li>• Also worked on Apache Hadoop and used Kafka for messaging system and spark for processing large sets of data.</li> <li>• Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on Google Cloud Platform (GCP). Utilized Kubernetes, Open Shift and Docker for the runtime environment of the CI/CD system to build, test deploy</li> <li>• Working with JIRA for creating Projects, assigning permissions to users and groups for the projects and also Created Mail handlers and notification Schemes for JIRA.</li> <li>• Good experience in monitoring platforms like Nagios, Splunk and AppDynamics.</li> <li>• Experience in configuration and administration of Splunk clusters and in-depth knowledge of analysis and maintaining logs.</li> </ul>

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- Actively worked on Docker in creating customized Docker images and push them to Amazon ECR, Jfrog Artifactory, and Kubernetes as container orchestration system in Dev, QA and Prod environments.
- Involved in configuring Cloud platform such as Virtual Networks Multi-site, Cross-site, VMs, Azure AD, Load Balancers, Azure SQL, Cloud Services, etc.
- Created Build definition and Release definition for Continuous Integration and Continuous Deployment.
- Worked on CI/CD for PostgreSQL and MySQL Applications.
- Created dashboards in VSTS for CI/CD pipelines, Work items and bugs.
- Resolved Merge Conflicts configured triggers and queued new builds within the release pipeline.
- Monitored and tracked deployments.
- Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments
- Created clusters using Kubernetes and worked on creating many pods, replication controllers, services, deployments, health checks, labels and ingress by writing YAML files
- Extensively worked on Artifactory and Nexus Repository Managers to deploy software built through Jenkins Build Jobs.
- Experience in Creating Store procedures and functions in SQL server to import data in to Elastic Search and converting relational data in to documents.
- Experience in AWS EC2/VPC/S3/SQS/SNS based infrastructure automation through Terraform, ANSIBLE, Python, Bash, Ruby Scripts.
- Wrote PowerShell scripting for task automation and to schedule tasks.
- Developed Power BI model used for financial reporting of P & L and Headcount.
- Used various sources to pull data into Power BI such as SQL Server, SAP BW, Oracle, SQL Azure etc.
- Database creation (DDL, DML, DCL), database tuning, SQL tuning, performance planning.
- Extensively used Joins and Sub-Queries to simplify complex queries involving multiple tables.
- Developed tabular queries for efficient analysis of report using Pivot/Un pivot in T-SQL.
- Production experience in large environments using configuration management tools like Chef, Ansible and Puppet supporting Chef Environment with 500+ servers and involved in developing manifests. Developed Chef Cookbooks to manage systems configuration.
- Designed and developed Window forms using WPF, and Asp.Net core 2.0 as business layer language.
- Implemented email and so integration using Node.js for backend and Angular 2.0 in frontend.
- Created Azure Event Hubs for Application instrumentation and for User experience or work flow processing.
- Implemented Security in Web Applications using Azure and Deployed Web Applications to Azure.
- Implemented Asp Mvc 5.0/4.0 framework for the development of application.
- Extensively used ETL Tool Informatica to load data from Flat Files to landing tables

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in SQL server.

- Developed ETL mappings, transformations using Informatica Power center 9.1/9.5.1 to load the data from landing tables to Dimension tables.
- Implemented Terraform modules for deployment of various applications across multiple cloud providers.
- Called the Restful web service calls for POST, PUT, DELETE and GET methods.
- Developed a Terraform plugins using GOlang to manage infrastructure which improved the usability of our storefront service.
- Good Knowledge in System administration skills, including automation and orchestration of Linux/Windows using Chef, Puppet, Ansible, Salt Stack and/or containers (Docker, Kubernetes, etc.)
- Developed reports using SSRS 2008 and involved reports migration from SSRS 2005 to 2008 and to run scripts on Microsoft PowerShell.
- Provide day to day voice and email support to Microsoft customers on Azure PaaS.
- Work with Development, Storage and Network teams on installation and administration of MongoDB in the IT Enterprise Environment.
- Worked on MongoDB database concepts such as locking, transactions, indexes, replication, schema design, etc.
- Experience in Creating Store procedures and functions in SQL server to import data in to Elastic Search and converting relational data in to documents.
- Experience in building Search engine for Elastic Search.
- Developed Windows services to store SQL Server data in to Cloud base data warehousing by using Amazon Web Services (AWS) Redshift.
- Design and Implement End to End Search Service Solution using Elastic Search.
- Responsible to create WPF controls and to create communication framework using WCF.
- Created WCF, WCF REST Services also used different bindings to make it available to diverse types of clients.
- Consumed different ASP.Net Web API's to retrieve customers' information and other application related information.
- Develop Forms on client project using data binding and dependency property of WPF.
- Used an intensive SCRUM and Agile Methodology Analysis and reviewing of assigned tasks and final development goals during team meetings (in Daily and Weekly Scrum meetings).

<b>Client Name</b>	Rolta India Ltd, India
<b>Duration</b>	June 2013— November 2015
<b>Role</b>	Lead Devops Engineer
<b>Technologies</b>	AWS Cloud, Red hat Linux, Restful, Artifactory, TDD, Ansible, Gradle, Maven, Dashboards, Jenkins, Docker, Splunk, AIX and Windows, BMC Remedy, Chef, Shell, MongoDB, Python, Terraform, Web Logic Server 11g, IBM Web Sphere, Load Balancers, WLST, Apache Tomcat, Nginx, JDK, XML, Oracle, SVN, GitHub.

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- Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backups to S3 bucket.
- Good in Writing Terraform templates, Chef Cookbooks, recipes and pushed them onto Chef Server for configuring EC2 Instances. Used Terraform to map more complex dependencies and identify network issue.
- Extensively experienced in using Build Automation tools like Maven, Gradle and working knowledge on other build tools like make file.
- Written Ansible playbooks in Yaml for various applications.
- Used Postman to test the Restful API for HTTP requests such as GET, POST, and PUT.
- Maintaining the user accounts (IAM), RDS, Route53, SES and SNS services in AWS cloud.
- AWS Import/Export accelerates moving large amounts of data into and out of AWS using portable storage devices for transport.
- Involved in developing Splunk queries and dashboards targeted at understanding application performance and capacity analysis.
- Experience in using MEAN Stack and NoSQL databases such as MongoDB, Dynamo DB and RDBMS like SQL, MySQL and Oracle.
- Providing day to day developer support to Azure customers by resolving escalated, complex technical customer issues on the Azure PaaS Services and delivering Azure Technical Support against CPE and workflow efficiency/SLA targets.
- Communication with team members for both Ansible Core and Ansible Tower teams to clarify requirements and overcome obstacles.
- Extensively worked on Artifactory and Nexus Repository Managers to deploy software built through Jenkins Build Jobs.
- Extensively performed the installations and configuration of monitoring tools such as Splunk, Willy Introscope, and app dynamics.
- Collaborate to development of main Web Applications to provide invoicing emission services, Responsible of web application deployments over cloud services on Azure, using PowerShell.
- Maintained build related scripts developed in Maven POM.xml files, Python and Shell scripting.
- Designed an Architectural Diagram for different applications before migrating into Amazon cloud for flexible, cost-effective, reliable, scalable, high-performance and secured.
- Create and Manage Cloud Watch configurations for Auto scaling (In & Out) launch configurations.
- Worked on creating Docker containers and Docker consoles for managing the application lifecycle and worked on setting up the automated build on Docker HUB.
- Automated the deployment of applications inside software containers and Configured Docker container for branching purposes.
- Used Jfrog Artifactory as an artifact store and pushed docker images of the APIs to a dockyard hosted on Artifactory.
- Configured and installed monitoring tools Grafana, Kibana, Log stash and Elastic Search on the servers.

### Responsibilities

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- Followed Agile Methodology for the complete life cycle of the project & Involve In daily stand-up meetings.
- Consumed REST based Micro services with Rest template based on Restful APIs.
- Used Terraform/Cloud Formation to infrastructure cloud environments within AWS tools to create and manage networking and application stacks. Configured and Managed VPCs, Routing Tables, Internet gateways, NAT instances, Nacls, Subnets, ELBs, ASGs, Security Groups, EC2 instances, and elastic Ips.
- Built Chef Development workflow and best practices around configuration management as well as building.
- Worked on AWS EKS to run the Kubernetes infrastructure across multiple zones to eliminate a single point of failure and created alarms and trigger points in Cloud Watch based on thresholds and monitored the server's performance, CPU Utilization, disk usage.
- Used Git for source code version control and integrated with Jenkins for CI/CD pipeline, code quality tracking and user management with build tools Maven.
- Defined dependencies and plugins in Mavenpom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags.
- Expert in working with PowerShell, Shell scripting and Yaml for developing the customer requirements.
- Coordinated in pushing the code to GitHub and automating process of release by pushing all the code to GitHub
- Good working knowledge on NOSQL databases such as MongoDB and Cassandra.
- Web application development using Agile methodology using Ruby on Rails, MongoDB.
- Automated weekly releases with ANT/Maven scripting to compile, debug Java code and placing builds into Nexus repository.
- Used for faster server provisioning and configuration though Salt stack configuration management tool.
- Responsible for design and maintenance of the Subversion/GIT Stash Repositories, views, and the access control strategies.
- Deploying windows Kubernetes (K8s) cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy.
- Responsible for on boarding Application teams to build and deploy their code using GitHub, Jenkins, Nexus and Ansible.
- Designed and built a continuous integration and deployment framework for Chef Code using test driven development (TDD).
- Worked on Splunk, AppDynamics, JIRA and BMC Remedy for monitoring and troubleshooting to create an Incident/Problem ticket for Root cause analysis.
- Installation, configuration and administration of Linux (Red hat/SUSE, Centos)
- Deployed VPC with VPN attachment to physical datacentre.
- Automated the front-ends platform into highly scalable, consistent, repeatable infrastructure using high degree of automation using Chef, Vagrant, Jenkins, and Cloud Formation.
- Automated the process of configuring property files and JDBC related settings on Web Logic server during deployment using WLST scripts.
- Debugging Chef Recipes and their execution trying to pull logs into Splunk and

## Akash Basa

	<p>monitor deployments.</p> <ul style="list-style-type: none"> <li>Scripted Linux repository database comparisons using Python.</li> </ul>
<b>Client Name</b>	CEMILAC, HYD, INDIA
<b>Duration</b>	August 2012 - June 2013
<b>Role</b>	Sr Devops Engineer
<b>Technologies</b>	Jira, SCOM, GitHub, Maven, Docker, Splunk, Jenkins, Shell, Python, Ansible, Terraform, Artifactory, Restful,
<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>Configured Jenkins jobs to build across the different environments.</li> <li>Implemented and designed AWS virtual servers by using AWS Cloud Formation Templates (CFT) and AWS Code Deploy to ensure configuration &amp; deployment of web applications.</li> <li>Involved in designing and deploying multiple applications utilizing almost all AWS stack (including EC2, Route53, S3, RDS, ELB, CFT) focusing on high-availability and auto scaling in AWS Cloud Formation.</li> <li>Built S3 buckets, managed policies for S3 buckets, used S3 bucket for storage and backup on AWS.</li> <li>Used AWS command line (CLI) client and management console to interact with Dependent resources and APIs.</li> <li>Build AWS Lambda functions to automate dev. team procedures and integrate applications.</li> <li>Written Cloud Formation Templates (CFT) using AWS CDK to build the AWS services with the paradigm of Infrastructure as Code.</li> <li>Create, maintain and administrating Bit bucket repositories as source code management.</li> <li>Implemented a cloud native CI/CD pipeline involving Bit bucket, CFT, Ec2 and JFROG Artifactory to complete the automation from committing to Deployment.</li> <li>Deployed Docker containers to AWS and implemented fully automated build pipelines</li> <li>Developed Python and shell scripts for automation of the build and release process.</li> </ul>

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