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| **Devops Consultant - Noida** | |
| **Candidate Name** | Anand Kumar |
| **Current company** | IBM |
| **Designation** | DevOps Engineer |
| **Current Location/Native** | Noida |
| **Education** | BE |
| **Experience** | 2.9 |

|  |  |
| --- | --- |
| **Skills** | **Years of Experience** |
| DevOps | 2.1  Years |
| Jenkins | 2.1 Years |
| CI/CD | 2.1 Years |
| Ansible | 2.1 Years |
| Kubernets | 2.5 +Years |
| Monitoring tools like Grafana, Prometheus, ELK Stack | 2.1 Years |
| OS & Orchestration | 2.1 years |
| scripting like Shell/Python/Groovy/YAML & DSL scripts | YAMIL/SHELL/GROOVY/Python- 2+ Years |



**Aanand Kumar**

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**Objective**

Seeking a creative DevOps and Multi Cloud role with Hi-Tech environment in an organization where I can enhance my technical skills and use best of my knowledge and experience to achieve client success and increase productivity.

# Education Summary

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| --- | --- | --- | --- | --- |
| **Year(s)** | **Qualification** | **Board/University** | **College/University/School** | **Percentage** |
| 2013-2017 | B.Tech  (Computer Science) | RGTU | IES College of Technology | 7.88/10 |
| 2013 | XIIth | CBSE | St. Joseph Sr. Secondary High School | 70% |
| 2011 | Xth | CBSE | Sunshine Pre. / High School | 84% |

**Professional Summary**

* Overall, 2.10 years of experience as DevOps Engineer(2.2yrs)/Cloud Migration(0.8yrs) in IBM India.
* Good hands-on experience on DevOps tool likeKubernetes/Docker/Ansible/Jenkins/Git/Nagios.
* Good hands on experience on Azure AKS/On Premise KubernetesCluster.
* Good hands on experience on Database Migration to Cloud on both AWS andAzure.
* Good hands on experience on User migration/synchronization to Azure CloudAD.
* Good hands on experience on managing and creating Stateful set application onKubernetes.
* Good hands on experience on creating and managing Containers(Django) onDocker/Podman.
* Good hands on experience with Linux Administration with Ubuntu/RedHat andPostgreSQL.
* Good hands on experience on Monitoring and Logging Containers with ElasticSearch.
* Good hands on experience on troubleshooting Kubernetes ProductionPods.
* Good hands on experience on volume management through LVM/User/Permission/Packaging etc.
* Good hands on experience on creating, scaling and load balancing applications inKubernetes.
* Good knowledge on creating and configuring AWS/Azure load-balancer andautoscaling.
* Good hands on experience with Docker and KubernetesVolume/RBAC.
* Good hands on experience on designing and developing the CI/CD pipeline for RCP inJenkins.
* SuccessfullymigratedClient’sAllianceinfrastructurebasedonVMwaretoDockerandKubernetes

and filed first Patent.

* Good hands on with AWS/Azure/IBM Cloud services like EC2/Vms, S3/Storages, VPC/Virtual Networks, IAM/Azure AD, AMI, SNS, Route53/Azure DNS, Scale-sets/Load Balancers, Azure Apps etc.
* Good hands on experience on Git/GitHub adding, branching, tagging, pushingetc.
* Good hands on experience with User/Database Migration to Azure andAWS.
* Good hands on experience with Python DjangoDevelopment.

# Skills Summary

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| --- | --- |
| Operating System | RedHat Enterprise Linux, Ubuntu |
| Container/Orchestration Services | Docker/Podman/On Prem Kubernetes/ Azure AKS |
| CI/CD | Jenkins |
| SCM | Git/GitHub |
| Configuration/Cloud Provisioner | Ansible/Ansible Tower/Terraform |
| Scripting Languages | Python / YAML/ Shell Scripting |
| Cloud | AWS , Microsoft Azure, IBM Cloud |
| Ticketing Tool | Service Now/ Remedy |
| Monitoring Tool | Nagios/SMARTS/ Dynatrace |
| Database | PostgreSQL |
| Programing/Development | Python Django |
| Big Data/ Logging | Elastic Search, Kafka Basics |

**Certifications/Achievements**

* Microsoft Azure CertifiedFundamentals
* Microsoft Azure Certified ArchitectTechnologies
* AWS Certified Solution ArchitectAssociate.
* Microsoft MTA Certified WebFundamentals.
* IBM Certification on the Introduction to DockerEssentials.
* IBM Certification on Microservices onKubernetes.
* IBM Certification on Container & Kubernetes Essentials On IBMCloud.
* IBM Certification on Jenkins on a DevOps: Jenkins Configuration onDevOps.
* IBM Certification on Kubernetes101.
* IBM CloudCertification.
* IBM Certification on Kubernetes on IBMCloud.
* IBM Certification on Continuous Integration and ContinuousDeployment.
* IBM Certification on Docker and ContainerEssentials.
* IBM Certification on Container on IBMCloud.
* Microsoft MSP/MVP2015-2017.
* IBM Super Learner 2019 (Top 5% Of EntireIBM).
* IBM Champion Learner Gold 2020 (Top 2% of EntireIBM)
* Awarded as Best Innovator of Quarter 2019 For Client’s Alliance Migration and thepatent.
* Earned Manager’s Choice Award(for DR’s) for straight 2 quarter in arow.
* Earned3.8/5RatingOnCoachMeforOrganizingandgivingQualitytrainingonCloudandDevOps.

# Experience Highlights

**Microsoft India – Microsoft Student Partner**

### Duration: May 2015 – April 2017

Work Location: **University Campus Based**

Project: **HOC Ambassador**

**Description**

### HOC Ambassador stands for Hour of Code organized by **Facebook** and **Microsoft**, which helps school students to get in touch with technology and how we can change the world with technology and cloud.

**Roles/Responsibility**

* Taking monthly **meetings** with **Microsoft Technical Evangelist** about future driven Personalized topics like**DevOps**.
* Testing and setting up the **continuous feedback environment** on Yammer on the different BETA version of products like **Windows 10** and Azure Services etc. by **MSInsider**.
* Organizing **seminar/webinar** on MicrosoftProducts.
* Organizing events for school kids on**Minecraft**.
* Meeting with **startups** and helping them to implement Microsoft Products by**BizSpark**.
* Managing and distributing more than **100K product keys**, **subscription** on behalf ofMicrosoft.
* Participate and encourage others to participate in **Microsoft ImagineCup**.
* Collaborating with worldwide MSP on MicrosoftPlatform.
* Closely working with **MSP India general manager** and actaccordingly.
* Ensuring everyone getting **Azure/Windows 10** student**keys/account**.
* Helping **colleges and universities** to successfully join **Microsoft StudentHub**.
* Keep checking the healthy environment in local MSPgroup.
* Helping students to setup up **OneDrive Premium** accounts forfree.
* Ensuring monthly hackathon on requested topic byMicrosoft.
* Encourage students and fellow MSPs to participate in AzureBootcamp.
* **Submitting monthly report** to Microsoft about progress and ideassubmissions.
* Mentoring Juniors on MSP program and updating them time totime.

**IBM GTS Labs – DevOps Engineer**

Duration: February 2019 – Present

Work Location: **Artha IBM Greater Noida**

Project: **RCP (Risk Based Continuous Patching)**

RCP is IBM product which stands for Risk Based Continuous Patching, RCP is written mainly in Python Djangoandcanbeimplementedasamonolithicormicroservices.RCPensureclientsserversarepatched through the most secure way possible, by meeting all the required compliance of IBM. RCP uses BigFix and Relay servers which touches the endpoints and its wrapped within containerization and uses Kubernetes and OpenShiftorchestration.

## Roles/Responsibility

* Closely working with SMEs and Manager tounderstand the client’s requirement and implement

accordingly.

* Launchingconfiguringandprovision**virtualscalablecloudservers**inan**AWS/Azure/IBMcloud**

for each individual clients of RCP.

* Creating and configuring **custom VPC/Virtual Network** as per the clientneed.
* Writing custom **Terraform scrip**t for provisioning asrequired.
* Writing Custom YAML for **Deployment/Services/Stateful set** In **AKSKubernetes.**
* Writing custom **ad-hoc Ansible playbook/ Playbook roles** for installation and configuration of services and applications such as **Nagios/Docker/Kubernetes/GIT/Jenkins/Other Security/Required Applications**etc.
* Writing **Python scripts** for Nagios Monitoring and thesystem.
* Maintaining and contributing in the **IBM’s RCP Git repository** for each individualclient.
* Creating and configuring **CI/CD Pipeline** in **Jenkins** for each individualclient.
* Creating and configuring **distributed builds** as perrequirement.
* Creating custom **dockerfile**for **RCP django application** to containerize as per**compliance**.
* **Containerizing** RCP django application by closely working with SME/SWATTeam.
* Creating and maintaining the **Docker hub private repos** ofRCP.
* Configuring and performing the **administrative** job on**PostgreSQL**.
* Testing working and the availability of **PostgreSQL Kubernetes deployment** under compliance through **Python using psycopg2** in the case offailure.
* Creating and maintaining **load balancers** and **autoscaling inKubernetes**.
* Creating **PV** and **PVC** for different **deployment** and **pods** in**Kubernetes**.
* Ensuringthe**backupoflogs**,postgres**database/tables**andreportsin**S3bucket/Blob/Containers**

for Elasticsearch.

* Implementing **Route53/Azure DNS** on **external load balancer/Services** of **Kubernetes** for each individual client.
* Implementing **Nagios/SMARTS** and closely **monitoring servers** and troubleshootaccordingly.
* **Patching**client'sserversthroughRCPasperscheduletimeandensuringeverythingisgoingasper compliance.
* Monitoring **Kubernetes Pods/Docker Images** in**Elasticsearch/Kibana**.
* Generating failed patches **reports** and reporting them to SME andManager.
* Creating and following **Tickets** in **Service Now** for SWAT team for any issues inRCP.
* Setting up a **trail accounts** of RCP for each individual client before productionuse.

## Personal Information

Name: AanandKumar

Father’sName: BinodThakur

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