

Name : **Sandeep Paul**

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Objective : organization which can provide me the scope and platform thus bringing good experience to the customers

Overall Experience: 4 years

Notice period : 1 month

* Worked on various AWS services for cloud proposals along with experience in GCP, Azure and Alibaba cloud.
* Have experience of DevOps Stack for multiple use cases.
* Have worked on Container Orchestration using Kubernetes and Docker.
* Worked on multiple kubernetes binaries like Kops,kubeadm and SaaS like EKS,GKE
* Actively worked as Cloudera Administrator and management.
* Have experience of various Hadoop services.
* In depth knowledge of Linux environments including Ubuntu and Rhel types.
* Have worked on descriptive analytics on top of Cloudera distribution.
* Worked extensively on multiple kubernetes objects like HPA,Ingress
* Have sound knowledge of Groovy for jenkins pipelines

Experience Details:

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| Company | Technology | Active period |
| Software AG | Worked on Kubernetes,Docker, Jenkins pipeline   * Docker containerization * Jenkins pipeline using groovy * Used openebs for persistence in onprem kubernetes * Worked on salt for multiple env setup * Worked on CRDs * Worked on prometheus and Grafana setup and importing dashboard.   Working on Ingresses, ALB, azure application gateway.  Temporal helm charts.  ArgoCD for kubernetes based deployment based on push to repositories.  Terraform modules for infra. | 1 year 1 month |
| Mindtree Ltd  Mindtree limited | AWS (Code pipeline,EMR,EKS,Ops Work,EC2,S3,Lambda,Rekognition,DynamoDB,SQS,SNS,ECS fargate) | 2.8 years |
| DevOps (Jenkins,GitHub,BitBucket,JiRA,Confluence,Chef,Kubernetes,Docker, Informatica,Terraform,Cloud formation Template,Shell script automation,Alexa) | 2.8 year |
| Kubernetes  (Cluster creation using Kops,packages,Kubeadm,EKS,ACS,GKE, Cluster monitoring using dashboard , Deployment of end to end applications with autoscaling and auto healing ) | 2.8 year |
| Cloudera (Cluster creation in AWS and GCP instances, enabling Kerberos, enabling active directory for ssl based authentication to the cluster, Hive,Hbase,Impala gateway configurations for CI/CD, upgrading of the packages for higher required version, Oozie workflows for multiple framework based executiong involving spark and shell.) | 1.6 year |
| Linux (multiple automation scripts including CI/CD, reconciliation,kubernetes cluster creation using abstract parameters, executing command tasks of Informatica, tasks of Cloudera Oozie | 2.8 years |
| Java (basic programs to consume cloudera apis to build a framework for Oozie workflow creation and execution) | 10 months |

Technical Skills:

* AWS services like – EC2, S3, Lambda, EMR, ECS Fargate, DynamoDB, RDS, Directory service, VPC, Codecommit, EKS.
* GCP services like compute engine,Kubernetes engine
* Microsoft Azure service like ACS, AKS.
* Kubernetes Container orchestration using kubeadm, kops, EKS
* Docker Container run tume
* DevOps tools like: Jenkins pipeline, Git, bitbucket, Salt, kubernetes.
* Infrastructure automations using Cloud formation templates, Terraform modules
* Voice automations using amazon alexa and AWS Lambda.
* Cloudera Distribution set up and management
* Hive,Spark,Oozie.
* Scripting using shell scripts and bash
* Good knowledge of postgresql and hives
* Data modeling in hive hbase and cassandra.

Project Experience:

CPG Giant**:**

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| Customer Name | Confidential |
| Description | The project is to create a data lake of all the customers, their orders, campaigns and loyalties. |
| Tools & Technologies: | Cloudera, Informatica, Spark, Kubernetes, Java, Cassandra, HBase, Hive, Kinesis. |
| Operating System | Linux |
| Role(s) Played | DevOps Engineer, Cloudera Administrator and currently Analytics Developer   * Created CI/CD for all environments for a wide range of application and components * Created cloudera cluster and enabled Kerberos and SSL based authentication * Created custom Kubernetes Cluster using Kubeadm and automated the complex step with abstract parameters * Worked on Analytical models including market basket and engagements. * Implemented the models using source data in cloudera distribution with Spark SQL, and the executed these on top of Oozie workflow through a Java framework. * Worked on real time reconciliation for data flow at multiple stages of its journey to enable SSOT(Single source of truth). This enables an admin to be sure if the journey was successful or or unsuccessful or was lost in the multiple stages. And the identify the last successful stages. * The above task is in design phase, currently working on implementation of the process which covers multiple and complex stages. |

Contribution:

* Have created DevOps pipepline for data changes related deployments.
* Have Set up Cloudera distribution environment and managed the same.
* Have implemented Disaster recovery and backup process for the environments
* Have implemented Kerberos authentication and sentry based authentication for both session and roles based security.
* Scripted various automation process in Cloudera
* Have worked on Jenkins and jfrog artifactory for the Devops pipeline
* Used Kubernetes for deploying application as containers
* Have been currently working on descriptive analytics using hive,spark and Oozie.
* Have worked on different analytical models as brand engagement and market basket analysis.
* Have worked on informatica to create workflows for the job execution

COE works:

* Have come up with various devOps pipeline including

1: Node application

2: Java applications

3: Spark based application using AWS EMR

4: voice triggered pipeline using Amazon Alexa and AWS lambda

* Have worked on various Kubernetes cluster creation processes and deployment strategies which included container scalability and high availability.
* Have worked on Kubeadm , Kops . Azure AKS, AWS ACS, GCP kubernetes engine to set up kubernetes cluster.
* Have worked on AWS recognition – DynamoDB – glue to implement image recognition-based data analysis.
* Have worked on authenticating web APIs using AWS Cognito to leverage existing AD servers to authenticate applications.
* Have worked on capping window for s3 objects public access to secure files.

Professional Certification:

* AWS certified developer associate (2018)
* AWS certified DevOps professional (2019)

Education:

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* B-tech in Electronics and Communication engineering from Gandhi Institute for Technological Advancement (GITA), Bhubaneshwar, Odisha.

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| **Personal Details** |

Name : Sandeep Paul

Sex : Male

Date of Birth : November 25th 1994

Marital Status : Single

Languages Known : English, Hindi, Odia, Telugu and Kannada

Father’s Name : Mr. Binod Bihari Paul

Mother’s Name : Mrs. Snehopurna Mohanty

Permanent address : Forest office Road, Subhas Nagar, Raniguda farm, Rayagada, Odisha, Pin 765001

LinkedIn : <https://www.linkedin.com/in/sandeep-paul-686a52106/>

**I hereby declare** that all the above furnished details are true to the best of my knowledge.

Yours Sincerely,

Sandeep Paul

Place: Bangalore