

# Akash Kundu

## Systems Engineer

Versatile Systems Engineer with over 3.8 years of cross-functional leadership in development, implementation, validation and deployment of large complex systems. Exceptional knowledge of DevOps in Kubernetes, Jenkins, Ansible, Docker, Big Data. Well-versed in container orchestration, configuration management, continuous integration and delivery, docker and containerization for prestigious international projects of large magnitude within strict time schedule.



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7003167670



Kolkata, India

## SKILLS

Kubernetes

Ansible

Jenkins

Docker and  
Containerization

Shell Scripting

Core Java

Git, BitBucket, RLM

Big Data

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Bengali

Full Professional Proficiency

## INTERESTS

Currently learning and practicing on AWS Platform.

## WORK EXPERIENCE

### Systems Engineer

#### Tata Consultancy Services

07/2017 - Present

Kolkata, India

##### Projects/Tasks

- Developed container orchestration frameworks using Kubernetes to automate deployment, scale and manage containerized applications. Worked on Autoscaling Kubernetes resources and managed workloads in DEV environments. Worked on Persistent Volumes, Persistent Volume Claims, mounting Volumes and ConfigMaps into Kubernetes Pods/Containers. Worked on REST API Calls to create on-demand clusters and Kubernetes Resources. Orchestrated containers using Kubernetes and deployed using Ansible. Worked on Rolling Updates for StatefulSet and Stateless Sets.
- Worked on Custom Resource Definitions like SparkOperator to create Persistent Clusters and run spark-submit jobs using Kubernetes as Cluster Manager. Used SparkApplication for creating on-demand spark clusters and ScheduledSparkApplication as Controller Manager to run spark-submit jobs on CRON schedule. Managed the scheduled applications on Kubernetes platform. Worked on KubeDirector to create and manage transient Spark Clusters.
- Configured systems and orchestrated IT tasks like workflow automation and remote task execution using Ansible and Ansible Tower in DEV/PROD environments.
- Build, tested and deployed applications facilitating continuous integration and continuous delivery using Jenkins and RLM. Worked in Pipeline and Freestyle projects to deploy applications.
- Build Docker images for Kubernetes Applications and managed images in Docker repository and code in Bitbucket.
- Expertise in Automating, Designing and Architecting Big Data Applications and recommending the right solutions and technologies for the applications.
- Proposed technical feasibility solutions for new system designs and suggested options for performance improvement of technical components.

## CERTIFICATES

Oracle Certified Java Programmer (02/2018)

## EDUCATION

### Bachelor of Technology

#### West Bengal University Of Technology

07/2013 - 7/2017

Kolkata, India

##### Courses

- Electronics & Communication Engineering

### Indian School of Secondary Education

#### St. Stephen's School

04/2011 - 06/2013

Kolkata, India

## ACHIEVEMENTS

Managed and supervised team members with critical projects deliverables.

Awarded with Star of The Month, TCS in 2019