**Umesh Kumar Chouksey**

Devops specialist Contact: +91-8618996024

TCS India Pvt. Ltd. Email: [umesh.choukse@gmail.com](mailto:umesh.choukse@gmail.com)

Experience: 11 yrs

**Technical Blog:** <https://devops-e2e.blogspot.com/>

**Career objective**: Accelerate software delivery through DevOps, automating workflows, enhancing collaboration, and ensuring seamless, scalable infrastructure.

**Summary**: Around 11 years as DevOps Engineer, supporting applications using DevOps technologies. Experienced in all phases of SDLC and DevOps.

# Education Background:

|  |  |  |  |
| --- | --- | --- | --- |
| Degree | Institute Board /University | CGPA | Year |
| MTECH – CSI | [Birla Institute of Technology and Science,](https://www.bits-pilani.ac.in/) [Pilani (BITS Pilani)](https://www.bits-pilani.ac.in/) | 8.53 | 2020-2022 |
| BE-ECE(Hons) | Takshshila Institute of Engineering and Technology | 78% | 2007-2011 |
| SSC (math) | Khalsa Higher Secondary School | 83% | 2006-2007 |
| HSC | Khalsa Higher Secondary School | 68% | 2004-2005 |

|  |  |
| --- | --- |
| Certification | Link to verify certificate |
| Docker Essentials: A Developer Introduction | <https://www.credly.com/badges/de0bd82e-948d-4f1f-9c8c-a0db762cbc98?source=linked_in_profile> |
| Containers & Kubernetes Essentials | <https://www.credly.com/badges/3793d343-659b-4690-939c-3895e1240bb9?source=linked_in_profile> |
| Beyond the Basics: Istio and IBM Cloud Kubernetes Service | <https://www.credly.com/badges/828cb5c2-11a0-424b-8579-92308bceefd3/linked_in_profile> |
| Building Cloud-Native and Multicloud Applications | <https://www.credly.com/badges/e8812da5-e7b6-448d-b245-ca9329c2b914/linked_in_profile> |
| Data Science for Business - Level 1 | <https://www.credly.com/badges/e355bbc1-485f-48f5-b69a-7312d79379de/linked_in_profile> |
| Open-Source Foundations | <https://www.credly.com/badges/9eb4674b-8322-4efb-8325-0f112c2716a7/linked_in_profile> |
| Getting started with Microservices with Istio and IBM Cloud Kubernetes Service | <https://www.credly.com/badges/49053f32-fa2b-4961-97b5-6e23d1de821a/linked_in_profile> |
| Advanced Kubernetes Operators | <https://www.credly.com/badges/69350cee-cc64-409b-ab38-4fbf6164e693/linked_in_profile> |
| Serverless Computing using Cloud Functions | <https://www.credly.com/badges/86abb7c7-8f59-41f8-8ed4-eaf4e574671f/linked_in_profile> |
| Cloud Native Security Conference - App Security | <https://www.credly.com/badges/bc333b69-9b9d-4cce-9f31-20760e12cc2e?source=linked_in_profile> |
| Cloud Native Security Conference - Data Security | <https://www.credly.com/badges/efda5a13-04c2-4fcc-97c4-a0c264e8e303?source=linked_in_profile> |
| Cloud Native Security Conference - DevSecOps | <https://www.credly.com/badges/029b1c64-d2bf-4767-bfc0-fb9d000a3745?source=linked_in_profile> |
| Introduction to cloud | <https://courses.cognitiveclass.ai/certificates/a0efe4994fff45ee9cc92d1882d424c3> |
| Core Cloud | <https://www.credly.com/badges/a32a7bf8-2b9b-43ab-b258-e8afbd9d2261?source=linked_in_profile> |
| Data Science Methodologies | <https://www.credly.com/badges/cac78f79-6b7b-495e-ae98-aaeb23e4cf58?source=linked_in_profile> |
| Data Visualization Using Python | <https://www.credly.com/badges/c39dd020-ef05-4597-804e-fb857314e56e?source=linked_in_profile> |
| DataOps Methodology | <https://www.credly.com/badges/d62bac50-f6cd-40fa-ad01-fa79d2407d64?source=linked_in_profile> |
| IBM Cloud Essentials | <https://www.credly.com/badges/8bf987a7-da98-4175-b6a5-7c6a0b80c175?source=linked_in_profile> |
| IBM Certified System Administrator - WebSphere Application Server Network Deployment V8.5.5 | C9510-401-ENU/IBM000021788/IBM |
| IBM Certified System Administrator - WebSphere Application Server Network Deployment V7 | C2180-377/IBM000021788/IBM |
| ITIL V3 | Exin |
| ITSM | Exin |
| Splunk user certification | Splunk Inc |
| IBM MQ Certified solution Architect | C2180-376/IBM000021788 |

# Experience:

|  |  |  |
| --- | --- | --- |
| Company | Role | Duration |
| TCS India Pvt. Ltd. | Middleware and Devops Engineer | Aug 2021 to till date |
| IBM India Pvt. Ltd. | Devops and Cloud Specialist | Jan 2019 to Aug 2021 |
| Accenture India Pvt. Ltd. | Middleware developer and Admin (WAS. WCS and WPS) | July 2017 to Jan 2019 |
| ADP India Pvt. Ltd. | Container specialist | May 2016 to July 2017 |
| IBM India Pvt. Ltd. | Linux Administration | Dec 2012 to May 2016 |

**Skill Matrix:**

Expertise in GIT, Jenkins, Docker, Kubernetes, DevSecOps, SRE, Linux, shell-scripting, Python, Packer, terraform, Ansible Splunk, ELK, WebSphere, MQ, Artifactory, SonarQube

**PROFESSIONAL EXPERIENCE:**

**Middleware and DevOps Engineer: TCS India Pvt ltd. AUG 2021 TO TILL DATE**

* Involved in requirements gathering, analysis, development, and testing.
* Converting monolithic to microservice application (by Docker and K8s)
* Testing microservice application.
* Moving application to Cloud
* Designing Cloud native application
* CICD pipeline setup
* Infrastructure optimization

# Middleware and DevOps Engineer: IBM India Pvt ltd. JAN 2019 TO AUGUST 2021

* Involved in requirements gathering, analysis, development, and testing.
* Using Bash shell to enhance the application, on top of the Jenkins tool to process business rules.
* Using Queries and Shell Script for client-side validations.
* Responsible for implementing monitoring solutions in Ansible, Terraform, Docker, and Jenkins.
* Automate Datadog Integrations through Ansible Scripts for QA, Regression and Prod environments.
* Integrate Datadog in Jenkins pipeline and Automate the Dashboard and Alerts.
* Write terraform scripts for CloudWatch Alerts.
* Configured the user's accounts for Continuous Integration - Jenkins, Nexus and Sonar.
* Maintain Source Code Repository using GITHUB and performed different operations like Branching, Merging and Tagging as needed.
* Used Team Foundation Server TFS and GIT as Version Control.
* Used Jenkins for Continuous Integration and deployment into WebSphere Application servers.
* Performed all Linux operating system, disk management and patch management configurations, on Linux instances in AWS

# Senior Middleware consultant: Accenture India Pvt. Ltd. JULY 2017 to JAN 2019

* Experience in Setting up of Nodes, Data Sources, Virtual Hosts, including planning, installation and configuration of WebSphere Application Server ND 6.1/7.0/8.5
* Experience in Administering IBM WAS 6.1/7.0/8.5 on various operating systems like RHEL 3/4/5 Windows 2000/2003 and AIX Systems.
* Hands-on experience in a Clustered environment including deployments, troubleshooting performance issues and especially performance test monitoring, installations, and configuration maintenance.
* Successful implementation of Work Load Management (WLM) using clustering techniques including Horizontal and Vertical Clustering for failover and backup/recovery processes.
* Experienced in wsadmin scripting
* Experience in Installing, Configuring and Administering Web Servers like IBM Http Server (IHS), Apache 2.2, Web server and configuration of Web Server Plug-ins.
* Good Knowledge in Configuring Remote/Local IHS Web Server and Apache Web Server in WebSphere Application Server Network Deployment Manager.
* Expertise in configuring Cells, Nodes, clustering, JDBC Providers, Data Sources, Virtual Hosts, session management
* Hands on experience in Deployment of J2EE applications on WebSphere Application Servers 6.1/7.0/8.5.
* Understanding of the overall system functioning, including interaction with other system components such as DB2, Oracle.
* Created multiple Profiles on WebSphere Application server 7.0 and 8.5.
* Creating various resources like data sources and JMS resources at cell, Node and server levels.
* Migrating Applications from version 6.1 to 7.0 and 8.5.
* Installing refresh and fix packs for WebSphere Application Server and IBM HTTP server.
* Experience in implementing Security Policies, Enable Security on components and LDAP and SSL.
* Experience in using trouble shooting tolls like IBM HeapAnalyzer, HeapAnalyzer, LogAnalyzer, Tivoli Performance Viewer, as well as traces, logs, heap dumps and core dumps.

# Automation Engineer: ADP India Pvt. Ltd. MAY 2016 TO JULY 2017

* + Performs necessary systems maintenance in accordance with Sun and RedHat best practices and Company change management policies.
  + Implemented AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos scalling, Cloud Front, IAM, S3, R53.
  + Worked on cloud-based servers like AWS, AZURE and Rackspace.
  + In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
  + Extensively worked with Version Control Systems CVS, SVN (Subversion), GIT.
  + Extensively worked with automation tools like Hudson, Jenkins and Build Forge to implement the End-to-End Automation.
  + Implemented cloud services IAAS, PAAS , and SaaS which include Openstack , Docker and Openshift .
  + AWS and OpenStack to provision new machines for clients. S3 Storage Services on AWS.
  + Server provisioning, automation (Puppet/Chef/Ruby), maintenance and performance tuning
  + Hands on experience in installing and administrating CI tools like Hudson/Jenkins, Team city, Bamboo and ALM tools like Anthill Pro and TFS.
  + Performed integration of Code Quality Analysis Techniques like Find Bugs, PMD, Cobertura with CI tools.
  + Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
  + Managed Docker orchestration and Docker containerization using Kubernetes.
  + Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
  + Good Knowledge in Shell, Python, Perl & Expect scripting
  + Provided release engineering support for Java SE and Sun middleware products. Improved build-test-release process through automation and productivity tools development.
  + Experience in administering and supporting the CM tools including Git, Subversion, Perforce, CVS on UNIX and Windows environments.
  + Experience customizing JIRA projects with various schemas, complex workflows, screen schemes, permission schemes, and notification schemes.
  + Experience in and demonstrated understanding of source control management concepts such as branching, merging, labeling and integration.
  + Experience in building and deploying java applications and troubleshooting the build and deploy failures.
  + Extensive experience in using Build Automation tools like, ANT, Maven.
  + Good knowledge in managing the Nexus and Artifactory repositories for the maven artifacts and dependencies.
  + Extensive experience in working with WebLogic, WebSphere and Apache web servers.
  + Experience in maintaining and executing build scripts to automate development and production builds.
  + Knowledge of databases like MySQL and Oracle.
  + Experienced in deploying Micro Services to App Servers and Database Changes to Oracle, db2, MSSQL and
  + Experience on developing different web applications using Java, J2EE, Spring, Hibernate.
  + Set up Build Infrastructure with Jenkins and Subversion server in AWS.
  + Experience in Amazon Cloud (EC2) Hosting and AWS Administration.
  + Good knowledge on managing and integrating code Quality tools like SonarQube, manage sonar rules, Quality gates .
  + Familiar with all major PaaS platforms such as Google App Engine, OpenShift, Cloud foundry, CloudBees, etc.
  + Expertise in VMware vSphere, VCenter, VMotion and Cloud Director.
  + Expertise in setup Splunk Monitoring Systems Administration
  + Excellent communication, interpersonal, and analytical skills. Proven ability to learn and rapidly adapt to new challenges.
  + Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work.

# 

# Infrastructure specialist: IBM India Pvt. Ltd. DEC 2012 TO MAY 2016

* + Responsible for the implementation, management, support and integrity of enterprise-class applications and their infrastructure within the organization.
  + Experienced in installation of Base & Network Deployment packages of Web Sphere Application Server 7.0 & 8.5\* and Windows platforms.
  + Configured the Profiles like Dmgr, standalone & custom in silent and GUI mode.
  + Ability in Federating Nodes from Dmgr’s console & Application server’s command prompt.
  + Experience in creation and configuration of different types of Clusters for load balancing and failover.
  + Configured the JDBC provider, Data Sources and provided the parameters (to maintain the connection pool) like Max & Min Connections, Reap time, Aged timeout, unused timeout, Purge policy etc.
  + Experience in implementations of Workload Management (WLM) using Clustering techniques (including Horizontal and Vertical Clustering)
  + Involved in taking the backups at different levels and restoring them.
  + Involved in creating the Problem Management Record (PMR) with the IBM, Updating, fixing the unresolved bugs or issues.
  + Involved in generating the Heap dumps & Thread dumps by using WSADMIN and by setting the environmental entries.

# Achievements:

1. LBG Wall of Fame Award (2016, IBM GTS) - For automating and optimizing LBG infrastructure. (Background tools: ITIL, Shell script, Splunk, ISA and Capacity management).
2. Raising Star 2016, ADP India Pvt. Ltd)- for quick learning, and implementing docker.
3. 1-Step-Ahead-you (2014, IBM GBS) - For automating IESO infrastructure for WLM application. (Background tools: ITIL, shell scripting, wsadmin (Python).

# Declaration

I do here by confirm that the information given in this from is true to do the best of my knowledge and belief.

Regards,

Umesh Kumar Chouksey Place: Pune