KIREET BHAT

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SUMMARY

— IT Professional and MSc. Graduate from Queen's University, Kingston. Over 10 years of total experience with recent 6 years in the Big Data eco-system. Seeking an opportunity to leverage skills in DEVOps/MLOps. Exposure in closely working with Data scientists/Business analysts and providing System/Application solutions.

TECHNICAL COMPETENCIES

Automation	Kubernetes, Jenkins, Ansible	**OS**	RHEL
Cloud	Azure, AWS, DynamoDB, Oracle	**Auth**	Oauth, JWT, SSO
Languages	Python, Bash, Javascript, Groovy	**Framework**	Hadoop, Apache Spark, Apache Livy

RECENT EXPERIENCE

TD Bank   **May 2018 – Present**
Engineer I

Project: Containerized jupyter notebooks in a Kubernetes Cluster

– Designed, Developed and Maintained docker images to implement JupyterHub on kubernetes cluster using helm charts
– Designed and Implemented apache livy to run pyspark based interactive sessions on cluster using the containerized jupyter NBs
– Implemented SSO based auth for user with in-house managed service based on pingFed
– Implemented Ceph (nautilus) based object storage to persist user code and data on k8s PVC
– Managed k8s cluster with 30+ nodes and a combined storage capacity of 400T using monitoring tools like Grafana and Prometheus
– Provided L3 support to more than 200+ data scientists/business analysts who logged on the platform on a daily basis

Project: ML model generation and curation with Docker and Seldon Core

– Designed and Developed an automated model generation and curation using Jenkins CI/CD pipeline and Seldon Core running on Docker containers
– Integrated Apache Livy into the pipeline for quicker model generation using YARN cluster resources
– Designed, Developed and Configured nginx to service jenkins, nexus, clair vunerability scan in a containerized environment
– Documented environment configurations and onboarding procedures for knowledge sharing

Project: Inter Cluster Big Data Sync

– Designed and Developed a python based framework to synchronize data between one hadoop cluster and another
– Developed SQL queries and Stored procedures in oracle database to keep track of the metadata for the migrated data
– Participated in Solution Design Documentation and Collaboration
– Provided on-call support on a rotational basis and worked on root cause analysis for incident resolution

HSBC   **June 2013 – May 2016**
Systems Engineer

Project: Data Ingestion into Hadoop

– Developed Sqoop import jobs to extract data from source big data system databases like RDBMS and ingest into Enterprise Data Lake (HDFS/Hive Tables) using Oozie workflow
– Experience in Spark core, Spark Sql and also in extending integration of Spark with various components like - HDFS, Hive, Hbase and Kafka

Project: Calculation of global assets in Capital Market

– Developed and Maintained the Batch Stream responsible for calculating Global assets after Segregation and re-hypothecation at the backend using Java and Shell Script
– Owned the Implementation of Automation tools, Change Releases and Incident Management part of which was governed by the senior management as well as the development team from the client side
– Got Promoted from Assistant Systems Engineer to Systems Engineer

EDUCATION

Queen's University, Kingston
Master of Computing (GPA: 3.5/4.3)
Majors: Big Data; Cybersecurity

IEEE Publication

– Content bytes based file type identification using Supervised Machine learning with In-memory big data analytics framework - Spark