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Rishabh Bohra

Cloud Infrastructure/DevOps Engineer

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EXPERIENCE

5 YEARS

Redpanda Data Inc.

- *Systems Infrastructure Engineer* *Jul. 2022 – Nov. 2022*
 - Performance Regression Pipeline: Deployed a pipeline for the redpanda performance regression/test result analysis using AWS RDS(PostgreSQL), GitHub Actions, Buildkite, Terraform, Python & Bash which enabled deep insights into performance-related issues.
 - Deploying, Maintaining and Troubleshooting the testing and production infrastructure for Redpanda and Redpanda Cloud.
 - Automated provisioning of clustered ducktape testing infrastructure to test redpanda via GitHub actions & Buildkite reducing release time by 30%.
 - Streamlined and refactored packaging code for RedPanda and GH actions, reducing code duplication and decreasing development time by 3x.

Tata Consultancy Services Ltd.

- *Kubernetes Engineer, kSphere Team (D2IQ Inc.)* *Dec. 2019 – Jun. 2022*
 - Developed features enhancing the custom deployment controllers & cluster troubleshooting for [Kommander 2.0](#), a product targeting K8s cluster management and governance. Go, bash, docker, helm were the goto tools these projects.
 - Enabled Elastic Cloud on K8s to work in an air-gapped FIPS enabled Konvoy(D2IQ's K8s distribution) and piloted scale testing the same on a 500+ nodes cluster on AWS Infrastructure provisioned using Terraform.
 - Wrote applications using Python and DC/OS APIs for migrating Kafka & Zookeeper services on DC/OS to D2IQ Kubernetes Platform (DKP) .
 - Pilot large-scale mixed-workload deployments on clusters exceeding 12000 cores, a routine procedure that uncovered countless ways in which DC/OS components like Apache Mesos, networking and storage needed improvement, ultimately increasing stability and correctness across the board.
- *Release Engineer, Data Services Team (D2IQ, Inc.)* *Jan. 2019 – Nov. 2019*
 - Enhancing the release pipeline & adding new capabilities to Mesosphere's official DC/OS Data Services: Kafka(Apache & Confluent), Zookeeper etc. using Python, Go, Jenkins and TeamCity ensuring timely release of these services based on the upstream releases. On-call for issues related to DC/OS Data Services using PagerDuty and Atlassian Jira.
 - Development of Apache Kafka and Zookeeper Operators, major strategic deliverables for the company's new Kubernetes offerings([KUDO](#) and [Konvoy](#)).
- *Software Engineer, Cloud Microservices & API Team* *Jun. 2018 – Jan. 2019*
 - Worked with multiple teams in developing PoCs involving Kubernetes, Elasticsearch, AWS etc.

Open Source Contributions

- Contributions in various open source projects like [troubleshoot.sh](#), [Flux Project](#), [Oh-My-Zsh](#), [Elastic](#), [Kubernetes](#), [Kudobuilder](#) etc.

EDUCATION

West Bengal University of Technology

Kolkata, India

- *Bachelor of Computer Science & Technology (CGPA 8.35)* *Aug. 2014 - Jun. 2018*
 - Started the IEEE Robotics and Automation Society local chapter and participated in well known technical fests like Kshitij, IIT Kharagpur.

MISCELLANEOUS

Organizations	Python Software Foundation, IEEE Robotics & Automation Society, ACM
Hobbies & Interests	Travelling & Hiking, Cooking, Nutrition & Fitness
Languages	Strong verbal and written communication skills in English and Hindi, Intermediate level in Bengali

AWARDS & CERTIFICATIONS

- Certified Kubernetes Administrator(CKA)
- Service Commitment Award; Technical Excellence Award and multiple On The Spot Awards