






# Suhas Hegde

Data Engineer

## Curriculum Vitae

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## Work

Jul 2018 - Present **Data Engineer**  
San Mateo

Rakuten Rewards (formerly Ebates)

- Design and implementation of cloud based Petabyte scale Data-warehouse using Snowflake, AWS & Kubernetes(EKS)
- Migration of batch-jobs/workloads(> 800) from a data-center to Kubernetes workloads running on AWS-EKS
- Implementation of Apache-Spark(distributed computing) workloads on Kubernetes using spark-operator framework
- AWS-Cloud cost optimization by using Spot instances for Apache-Spark production workloads on EKS
- Adoption of server-less computing(AWS-Lambda) for specialized applications such as data-exports etc.
- Automation of Snowflake administrative tasks using Python-scripts & Github-actions
- Internal APIs to assist data-engineers with Kubernetes deployments, Docker build flows, log-access etc.
- Complete migration of all infra automation to Github-actions from Jenkins

## Skills

### Programming/Scripting -

- Python - Batch jobs, internal APIs & scripting for infra-automation
- SQL - Analytics, Data-warehouse maintenance
- R - Analytics, reporting
- Shell scripting

### Frameworks/Services -

- Kubernetes & Docker - Unification of workloads using Kubernetes Cronjobs and K8s-Operators such as Spark-Operator & Argo-Workflows
- Helm - Package management for K8s
- AWS Services - EKS, EMR, ECR, Lambda etc.
- Snowflake - Unified data-warehouse storing streaming data from Kafka & batch data from Postgres, MySQL databases and various internal/external APIs

## Education

2018 **Master of Science**  
Maryland, USA

Frostburg State University

2016 **Bachelor of Commerce**  
Dharwad, India

Karnatak University