

# Shashank Singh

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**Summary: Seeking a Software Engineer position.**

## EDUCATION

**GH Raison Academy of Engineering, India**

**Graduated on:** June, 2019

BE, Computer Science & Engineering | GPA: 8.0 (Aggregate of all semesters)

Relevant Coursework: Data Structures & Algorithms, Intro to Operating Systems, Database

Honors/Awards/Scholarships: College topper for two consecutive years, Raison Scholarship awardee

## SKILLS

**Programming Languages:** Python, Go, Java

**Frameworks / Technologies:** Django, Docker, SQL, Linux, Git, Kubernetes, Unit Testing, REST API, GRPC, Kafka, Airflow

## RELEVANT EXPERIENCE

**Persistent Systems Ltd, Pune, India**

**08/2019 - Present (3 Years 5 Months)**

Senior Software Engineer

- Developing and debugging various Golang services of p24 system (mainly API handler and Jobs)
- Worked with my team on transforming this project from its existing monolithic architecture in Django to microservice based architecture in Golang
- Migrated the REST APIs to GRPCs which reduced the server load (and cost) by 43%
- Developed the Force Sync Microservice that performs resyncing of failed jobs
- Worked on integrating the services with monitoring tools like Prometheus and Grafana
- Creation of worker thread group to create pools of goroutines and control/termination scheduling
- Deployed the Dockerized services in Kubernetes pods on Google Cloud (GCP) using CircleCI

Software Engineer

- Worked on an MLOps platform to manage complete Machine Learning lifecycle in Django.
- Integrated the platform with Distributed Object Store (Minio) that provides S3 object store.
- Worked on developing the Workflow module that integrates Airflow ( and Celery ) with RabbitMQ to internally handle distribution and message queuing functionalities
- Worked on Model Store ( using MLFlow ) to handle storage and versioning of resultant artifacts.
- Exposed the modules and services using REST APIs
- Worked on creating File Explorer component in ReactJS

**Mahindra Rise Ltd, Pune, India**

**04/2018 - 05/2018 (2 Months)**

Software Engineering Intern

- Developed a switcher application to control focus between multiple third party softwares in 150+ screens throughout the company premises.
- Helped the company completely eliminate this manual process

## PROJECTS

**Skills Management System** | *Language: Python, Django, PostgreSQL and ReactJs*

- Developed an application to manage company staff based on skills and departmental experience

**Alumni Management System** | *Language: JavaFx, PostgreSQL*

- Developed a system to maintain and manage alumni records for our college.

## ADDITIONAL INFORMATION

**Certifications/Awards:** Mathematics for Machine Learning, Google India Challenge Scholarship, Code Gladiators 2022 (Finalist), Top Talent 2022 (Persistent Systems Ltd)

