

GAURAV JAIN

CONTACT

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SKILLS

TECHNOLOGIES USED: Django, Kubernetes, Flask, NodeJS, MongoDB, Git, CI/CD, PostgreSQL, Terraform

LANGUAGE: Python, SQL, YAML, Javascript, Java

PLATFORM: AWS, Azure, GCP, Github, Gitlab, Linux

EXPERIENCE

Spectral Finance, *Infrastructure Engineer*

May/'21 to Current

- Lead the complete infrastructure and CI/CD for the team
- Rapidly changing the architecture to changing business needs.
- CI/CD on Github actions and the Infrastructure has been moved to **Kubernetes** and AWS Lambda functions

Attentive, *Software Developer*

Feb./'21 to May/'21

- **Added autoscaling** for high memory celery worker for scaling using GCP Instance Groups to **increase load management**
- Created automatic startup script generator using Jinja Templating which creates custom scripts for multiple types of workers.
- **Reducing deployment time and increasing reliability**

Evalueserve, *DevOps Developer*

Jan./'20 to Feb./'21

- Set up SonarQube's integration with an existing deployment pipeline **improving code quality**
- Managed Kubernetes Cluster
- Managed project migration from TFS to Git and team training
- Developed a microservice CI/CD pipelines system.
- Build server-less azure functions for time-bound **server scaling**.
- Worked in an agile development-based environment.
- Managed Azure services

MikeLegal, *Software Developer*

Aug./'19 to Dec./'19

- Increased **data scraping efficiency by 20x** thus reducing scraping **cost to 1/3**
- Switch from **simulation-based scraping to algorithm-based scraping** using scrapy
- Created a proficient patent management product.
- Worked on the restructuring of the existing architecture from a **monolithic architecture to a microservices architecture**.

PROJECTS

Startup Script Generator

- Used Jinja templating and Jenkins to create startup scripts for each type of celery worker.
- Created a module-like system that allowed each script to be custom and re-creatable **reducing deployment time and increasing reliability**.
- Using this on Jenkins developer could change the image tag and redeploy the worker automatically

SIH Overdrive

- A Companion App for National Smart India hackathon 2020
- Created out of self requirement as the existing platform did not allow us to collaborate as a team to work on 300+ problem statements efficiently
- It is a digital notebook where we could perform note-taking, collaboration, and document management with ease!

Digi Sense Platform

- An application that detected below standard driving and has methods to help the user improve on the same
- Provided a real-time API to the insurance companies to be able to add a dynamic premium system
- Automatic collision detection and emergency contact
- Used: Flask, RaspberryPi, WebSockets

Automated Evaluation of Subjective Answers

- A research project was completed under the guidance of Dr. Narina Thakur
- An application to increase the efficiency and removal of human bias from subject paper evaluation
- Analyzed the test answers using a variant of term frequency and document frequency
- The analysis gave a 61.32% Accuracy from expert test data

Hriday

- The platform targeted the organ black market
- It stored details of organs donated in a blockchain for the public consensus.
- Matching organ donor to the hospital and ping the respected hospital about the match

EDUCATION

Bharati Vidyapeeth's College of Engineering

B.Tech. Computer Science 2020

Grade: 8

Aug./'16 to Jul/'20