

Harsha Jha

Software Engineer, Montreal, Canada

SUMMARY AND TECHNICAL SKILLS

- Results-driven Senior DevOps Engineer with overall **8 years of experience** where **5 years of experience** specializing in **AWS, DevOps** and **3 years of experience** in Python development.
- Proven expertise in **architecting, developing and deploying scalable** applications that drive business growth.
- Adept at translating complex requirements into **efficient, maintainable code** and **leading cross-functional** teams to successful project outcomes.

TECHNOLOGIES:

- **Software Technologies:** Python, Docker, Ansible, Terraform, Kubernetes
- **Version Control:** Git and SVN
- **Cloud Technologies:** AWS - ECS, EC2, Step Functions, Lambda, RDS, RedShift, S3, SQS, SNS, RabbitMQ.
- **CI/CD:** Jenkins, GitHub
- **Methodologies:** SDLC, Agile Methodology

WORK EXPERIENCE

Senior DevOps Engineer - <>

March 2021 – June 2023

- Used **DevOps** tool **Ansible** for Configuration Management and **ElasticSearch, Kibana and Logs Explorer** for analysis.
- With the use of **Boto3 SDK**, automated the cluster controlling of Linux **EC2**. Which optimized the process of simulation..
- **Mentored** junior DevOps engineers in the team, doing code review and learning new things.
- Responsible for **scrum** and **sprint planning**, with help of **JIRA**. so that we can achieve the deadline with all products up and running. Integrating third party tools.
- Used kubernetes and Docker for efficient **CI/CD** processes. Used Jenkins for the Continuous Integration and Argo CD to deploy the manifests on the Kubernetes cluster.
- **Impact** : Reduced the deployment of new feature time from 4 hours to 10 mins by implementing End to End CI/CD.

Senior DevOps Engineer - <>

June 2019 – June 2020

Online Doctor Consultation App

- Deployed Micro Services related to Doctor's app on Kubernetes cluster deployed on the AWS infrastructure.
- Improved the life cycle of notifications of the application with the help of **SNS and SQS, S3 and Lambda Function**.
- Managed source code standards, reviewing and **deployment** on **EC2 instances using CI/CD tools i.e Jenkins**.
- Managed the microservice architecture with load balancing, used hashed patient id to segregate load.
- **Impact** : By migrating the application on to Kubernetes and implementing load balancing using Ingress and Ingress controller, I made the application more scalable and available.

Software Engineer - <>

Mar 2018 – Aug 2018

Fintech Django - Lending Portal

- Loan Management System for the small vendors or business man who can take business and improve business : Used **django multi-tenant and django-admin** functionality to serve multiple clients, with **Postgres**.
- Wrote **API's** for front end and mobile devices by using **Django Rest Frameworks (DRF's)**.
- Built communication system by Django's **django.core.email** to communicate with vendors..
- Developed **loan repayment system** : with **Django ORM** if vendor's payment date is closer then notify + backtrack the amount.

- With Containerisation the entire CI/CD process took place. Managed the orchestration part of it.
- **Impact** : Helped **10k entrepreneurs** to gain funding for the business.

Software Engineer - <>

July 2016 – July 2015

Python SAAS|| Multi tenant CRM :

- Worked on **Django application**, for custom **CRM** for repair industry[SAAS] product by using **Postgres**.
- **Queuing System** : When a customer comes to store till the resolution of cause, build an automated system for the customer's next course of action. Used **Python3 Django Custom Class, django Jinja2 template and Django ORM**.
- **Inventory Management** : Build a feature to upgrade the stock availability. Stock ordering and damage product accountability which was achieved **using Celery & django-kombu, distributed task queue, and RabbitMQ**.
- **Referral and coupon System** : Build system to referral which impacted to bring **up the sales** up to **26%**.

EDUCATION

Bachelors in Computer Science - <> - India (CGPA 8.2/10)

July 2011 – May 2015

Senior Secondary School - <> - India (96%)

Apr 2008 – Mar 2010

ACHIEVEMENTS

- **Best performer** award for consistently exceeding the performance.
- 100% on time deliverables in DocsApp and solely carried out the projects.