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.