

RAYAN DASORIYA

SOFTWARE DEVELOPER

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SKILLS

Programming Languages

Python, Go, Shell Script, JavaScript,
TypeScript, Java

Software/Tools

Kubernetes, OpenShift, Travis, Helm, Istio,
Docker, Ansible, Terraform, Jenkins, Apache
Kafka, Elasticsearch, Airflow

Web Technologies

Angular, React, Flask, Node.js, MySQL,
MongoDB, Redis, Cassandra, GraphQL

Cloud Services

IBM Cloud, AWS, Azure, DigitalOcean

TECHNICAL PROJECTS

- **Automated Pipeline:** Created a pipeline to automate configuration, build, test and deployment of two applications with monitoring on Kubernetes using Ansible and AWS

SUMMARY

Cloud enthusiast looking for new challenges to utilize technical skills in a fast-paced SaaS environment. Proficient in brainstorming and transforming ideas into customer-focused features and achievable solutions. Problem solver and apt learner with a technology-independent mindset. Outstanding communicator who builds strong corporate relationships with stakeholders, superiors, peers, and subordinates. Effective and empathetic team player who takes ownership and initiatives for collaboration, growth, and well-being. Consistent and focused to deliver results.

WORK EXPERIENCE

IBM Corporation, USA

Feb 2020 - Present

Software Developer

- Managing transformation of a legacy data streaming system, handling millions of requests per day, to a cloud-based system
- Re-designing infrastructure to facilitate real-time, seamless flow of analytics data through Kafka, Spark, Airflow and Elasticsearch
- Implemented CI/CD pipeline to automate build, test, and deploy data streaming application using Tekton and Argo CD
- Delivered automation scripts using **Ansible** saving 14 hours of manual work weekly
- Created Go templates for helmfile and integrated helm secrets to enable **multi-cluster deployment**
- Developed **serverless** event-driven error handling pipeline in Node.js using Redis cache with Slack integration
- Designed and implemented high business value features and services for IBM Digital Marketplace team using MEAN stack
- Managed **infrastructure configuration** using Terraform and Travis in production-based Kubernetes cluster
- Primary engineer for integrating a service to securely store credentials in Vault and create a timely backup in 1Password

IBM Corporation, USA

May 2019 - Dec 2019

Software Developer Intern

- Created customized Watson Score calculator to prioritize support tickets for IBM agents
- Managed transformation of a monolithic architecture into microservices for Kubernetes Deployment on OpenShift 3
- Designed real-time monitoring dashboard and alert notification system for IBM Cloud Kubernetes
- Replaced **600 hours** of manual testing by an automated testing module, thus completing the CI/CD pipeline, using NodeJS

iPixels Agency Pvt. Ltd., India

May 2017 - Jul 2017

Webstack Trainee

- Developed portal for clients in a team of 4 as a full-stack web development intern using Laravel and CodeIgniter
- Maintained live servers, server-side scripts for backend data processing, and front-end web development

Oraculous Services, India

Aug 2016 - May 2017

Software Engineer Intern

- Programmed an Android app (iRiss) for free calls using credits; 1,000 downloads in a year with 4+ rating (discontinued)
- Implemented automated deployment pipeline to assure quality code, testing, and security

- **Configuration Management:** Developed Ansible scripts to automate configuration and deployment of a group chat application (Mattermost)
- **Cloud Data Storage:** Researched and implemented an algorithm for efficient storage and faster access to static websites over a public cloud. Also, published a research paper at an IEEE conference
- **React Project:** Designed a full-stack application using React and Next.js to deliver a modified version of a user's GitHub profile

HONORS/AWARDS

- Published **7 research papers** at different IEEE conferences and journals in Software Engineering and Cloud Computing
- Two times **Hackathon** and one-time **Codathon** winner out of 100+ teams
- Contributed to IBM Cloud Garage, IBM Carbon Library, Expertiza and Kubeview open source projects

EDUCATION

North Carolina State University, USA

Aug 2018 - Dec 2019

MS in Computer Science

CGPA: 4/4

NMIMS University, India

Jul 2014 - May 2018

BTech in Computer Engineering

CGPA: 3.66/4 (*Merit holder*)

CERTIFICATIONS

- AWS Certified DevOps Professional
- Red Hat Delivery Specialist - Container Platform Administration
- Red Hat Delivery Specialist - Automation