Rayan Dasoriya

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EDUCATION

North Carolina State University, Raleigh, NC, USA   Dec 2019
  Master of Computer Science, **CGPA: 4/4**

NMIMS University, Mumbai, MH, India   May 2018
  Bachelor of Technology, Computer Engineering, **CGPA: 3.66/4** *(Merit holder)*

PROFESSIONAL EXPERIENCE

DevOps Engineer, IBM, Research Triangle Park, US   Jun 2020 – Present
- Managing the transformation of a legacy data streaming system, handling millions of requests per day, to an event-driven cloud-based system
- Re-designing the infrastructure to facilitate a real-time, seamless flow of IBM sales analytics data through Kafka and Spark
- Building the entire stack over IBM Cloud using Ansible's playbook-based automation
- Implementing a CI/CD pipeline to automate the build, test, deploy and monitor the data streaming application

Software Developer, IBM, Research Triangle Park, US   Feb 2020 – Jun 2020
- Designed and implemented high business value features and services for IBM Digital Marketplace team using MEAN stack
- Managed the infrastructure and build using Terraform and Travis to deploy various microservices into Kubernetes cluster
- Primary engineer for integrating a service to securely store credentials in Vault and create a timely backup in 1Password
- Constantly tracked the application performance using Sysdig, New Relic and Logentries as a Scrum Master

Software Developer Intern, IBM, Research Triangle Park, US   May 2019 – Dec 2019
- Created a customized Watson Score calculator to prioritize support tickets
- Managed transformation of a monolithic architecture into microservices for Kubernetes Deployment on OpenShift 3
- Designed a real-time monitoring dashboard and alert notification system for IBM Cloud Kubernetes Service
- Replaced **600 hours** of manual testing by an automated testing module, thus completing the CI/CD pipeline, using NodeJS

Webstack Trainee, iPixels Agency Pvt. Ltd., Mumbai, India   May 2017 - Jul 2017
- 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

Software Engineer Intern, Oraculous Services, Rajkot, India   Aug 2016 - May 2017
- Programmed an Android app (iRiss) for free calls using credits; 1,000 downloads in a year with 4+ rating (discontinued)
- Implemented an automated deployment pipeline to assure quality code, testing, and security

SKILLS AND TECHNOLOGIES

Languages	Python, Go, JavaScript, TypeScript, C++, Shell Script
Web Technologies	Angular, React, Flask, Node.js, MySQL, MongoDB, Cassandra, Redis, GraphQL, REST
Software/Tools	Kubernetes, OpenShift, Travis, Helm, Istio, Docker, Git, Ansible, Jenkins, Apache Kafka, ElasticSearch
Cloud Services	IBM Cloud, Amazon Web Service, Microsoft Azure, DigitalOcean

PROJECTS

- **DevOps Project** *(Automated Pipeline):* Created a pipeline to automate the configuration, build, test and deployment of two applications with Kubernetes for Docker container orchestration using Ansible and AWS
- **React Project** *(Git Beauty):* Designed a full-stack application using React and Next.js to deliver a modified version of a user's GitHub profile
- **Configuration Management** *(DevOps)***:** Automated the configuration of a group chat application, Mattermost, using Ansible
- **Cloud Data Storage** *(Data Management over Cloud)*: Researched and implemented an algorithm for efficient storage and faster access to static websites over a public cloud platform. Also, **published a research paper** at an IEEE conference
- **Large-Scale Web Development** *(Examination System)*: Developed a full-stack examination portal **with load balancers** where teachers can register students and create an exam. Simultaneously, students can access the portal to take an exam

HONORS AND 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