

RAYAN DASORIYA

SOFTWARE ENGINEER

India

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SKILLS

Programming Languages

Python, Go, JavaScript, C++, Shell Script, Java

Software/Tools

Kubernetes, Docker, Ansible, Spark, Kafka, Elasticsearch

Cloud/Web Technologies

Google Cloud, AWS, React, Node.js, MySQL, MongoDB, Redis

TECHNICAL PROJECTS

- **Automated Pipeline:** Created a pipeline to automate the configuration, build, test, deployment, and monitoring of apps on Kubernetes using Ansible and AWS
- **Cloud Data Storage:** Researched and implemented an algorithm for efficient storage and faster access to static websites over a public cloud
- **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

- AWS Certified DevOps Professional (Valid till Jan 15, 2024)
- Published 7 research papers at IEEE conferences and journals in software and cloud domain
- Awarded third prize in an IBM-wide hackathon to detect rogue opportunities in sales data

SUMMARY

An engineer proficient in transforming ideas into customer-focused features. An outstanding communicator who builds strong corporate relationships with stakeholders, peers, and subordinates. Effective and empathetic team player who takes ownership and initiative for collaboration and growth to deliver results.

WORK EXPERIENCE

Google, India/USA

June 2021 - Present

Software Engineer

Cloud SQL - MySQL team (Jun 2022 - Present)

- Developing a MySQL plugin to reduce the number of OOMs by dynamically updating database configs
- Increased throughput(+9%) and decreased latency(-11%) in MySQL by extending Innodb buffer pool
- Automated the process to provide new versions of MySQL(5.7/8.0) to the end-users with less hassle
- Identified and fixed MySQL community bugs to ensure a better customer experience on the platform
- Added utilities and monitoring tools for engineers to debug performance issues in the MySQL instance

Container-Optimized OS team (Jun 2021 - Jun 2022)

- Led the design and development of an open-source Policy Manager in the Container-Optimized OS which helps the user to manage VM features using metadata tags
- Managed the migration of public containers from a single-region Container Registry to a multi-region Artifact Registry to avoid the impact of zonal outages
- Reduced test flakiness by 37%, improving developer's reliability on build and test infrastructure
- Upgraded the Gentoo packages in the OS to the latest version providing new features and fixes
- Participated in weekly on-call, security, and infrastructure rotations to manage any assigned issues

IBM Corporation, USA

Feb 2020 - May 2021

Software Engineer

- Managed transformation of a legacy sales system, handling millions of requests per day, to a real-time cloud solution using Kafka, Spark, and Elasticsearch
- Primary engineer for integrating a backend microservice to securely store credentials in Hashicorp Vault and create a timely backup in 1Password
- Designed serverless event-driven error handling pipeline using Node.js, Redis, and Slack
- Automated 14 hours of manual weekly work using Ansible scripts

IBM Corporation, USA

May 2019 - Dec 2019

Software Engineer Intern

- Created customized Watson Score calculator to prioritize support tickets for IBM agents
- Replaced 600 hours of manual testing with an automated testing module using Node.js and Selenium
- Managed transformation of a monolithic architecture into microservices for Kubernetes deployment

iPixels Agency Pvt. Ltd., India

May 2017 - Jul 2017

Webstack Trainee

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

EDUCATION

North Carolina State University, USA

Aug 2018 - Dec 2019

MS in Computer Science

CGPA: 4/4 (Merit holder)

NMIMS University, India

Jul 2014 - May 2018

BTech in Computer Engineering

CGPA: 3.66/4 (Merit holder)