

SOURABH DESHMUKH

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EDUCATION

Master of Science in Computer Science & Engineering, Santa Clara University Sept 2022 - May 2024
Coursework: Distributed Systems, Machine Learning, Design Analysis & Algorithms, Computer Networks.

Bachelor of Technology in Computer Science & Engineering, Shivaaji University July 2015 - May 2019
Coursework: Virtualization & Cloud Computing, Database Systems, Operating Systems, Object Oriented Programming.

SKILLS

Languages	Python, C, Java, Yaml, Shell, HTML/CSS, Javascript, goLang.
Databases	Relational - MariaDB, MySQL, Non-relational - MongoDB, Redis.
Cloud Platforms	AWS, GCP, Azure Pipelines.
Web Technology	React, Nodejs, REST APIs, Bootstrap.
Tool and Technology	DevOps, Ansible, Puppet, Terraform, helm, Jenkins, CircleCI, Kubernetes, Docker.
Collaboration Technologies	Confluence, Jira, GIT, SVN, Bitbucket, GitLab.
Monitoring	ELK Stack, Nagios, Munin.

EXPERIENCE

DevOps Engineer Aug 2021 - Aug 2022
Opcito Technologies Pvt. Ltd. *Pune, India*

- Configured and set up CICD pipelines using Jenkins to package and test 15+ Android and IOS applications. Published them on Dropbox and Atlassian Confluence page. It augmented developer efficiency by 30%.
- Set up CircleCI pipelines with git and wrote helm charts to deploy application components with Kubernetes and Rancher on the GKE cluster that speeds up the deployment/development process by 25%
- Assisted with terraform code for configuration and deployment of AWS WAF rules and AWS Guard duty.

Software Engineer (DevOps) Oct 2019 - Aug 2021
Kpoint Technologies Pvt. Ltd. *Pune, India*

- Structured CICD end-to-end pipelines using Jenkins to build, test and deploy the applications to QA/Staging/Prod.
- Dockerized product application components to reduce dependency issues. Optimized Docker images with multi-stage build and reduced layers in the Docker image. It improved the deployment efficiency by 40%.
- Formulated and implemented automation scripts using Python & Shell that led to the development of several system components, resulting in a 10% increase in productivity.
- Reduced 50% cost of AWS resources by converting on-demand resources to spot using terraform.
- Centralized system and application logging using ELK stack. Designed Monitoring dashboards using Kibana.

Software Engineer Intern (DevOps) Jan 2019 - Oct 2019
Kpoint Technologies Pvt. Ltd. *Pune, India*

- Implemented staging setup of kPoint web application and deployed on AWS cloud.
- Managed infrastructure using terraform and application configuration using Puppet and python scripts; deployment was configured using Jenkins CICD pipelines.
- Performed application monitoring and Production Servers using Nagios Server and Munin Monitoring. Deployed monitoring scripts on production servers to maintain 24/7 availability of the application and reduced downtime.

Software Engineer Intern Jan 2017 - Jan 2019
CloudYuga Technologies Pvt. Ltd. *Bangalore, India*

- Built an Interactive full stack web platform from scratch using NodeJS, Docker, HTML, CSS, Javascript, and Markdown.
- Reduced individual configuration tasks for Kubernetes Setup. It enhanced the classroom training experience by 20%.

PROJECTS

Twitter Sentiment Analysis - This project analyses real-time tweets and provides whether a tweet is positive or negative. I used NumPy, Pandas, and lemmatization and built linear SVC, LR, and Bernoulli Naive Bayes models.

Staging Setup for Pre-Production Deployment - It allows developers & testers to simulate the prod environment, catch & fix any bugs or issues before releasing to the real prod environment, and validate the system's performance & reliability.

CERTIFICATIONS

- Certified Kubernetes Administrator.(CNCF)
- Red Hat Certified Engineer (RHEL 7)
- Red Hat Certified System Administrator (RHEL 7).
- Cisco Certified Network Associate (Routing & Switching).