

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, Shivaji University July 2015 - May 2019
Coursework: Cloud Computing, Software Engineering, Operating Systems, Object Oriented Design and Programming.

EXPERIENCE

Linux System Admin Intern June 2023 - Sept 2023
Hobby Lobby *Oklahoma City, USA.*

- Streamlined Microservices deployments leveraging Openshift, comprising automated software delivery incorporating Gitops on the on-premises connected and disconnected environments.
- Alleviated 25% workload on Jenkins servers by implementing gitops operations on hybrid infrastructure.

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

- Configured and set up Jenkins CI pipelines to package and test 15+ Android and IOS applications, published them on Dropbox and Atlassian Confluence page, augmenting developer efficiency by 30%.
- Set up CircleCI pipelines with git and wrote helm charts to deploy Microservices and application components with Kubernetes and Rancher on the GKE cluster that speeds up the deployment/development process by 25%.
- Assisted with Terraform code to configure and deploy AWS WAF rules and AWS Guard duty.

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

- Structured CICD end-to-end pipelines harnessing Jenkins to build, test and deploy the Microservices applications.
- Dockerized Microservices to reduce dependency issues, optimized Docker images with multi-stage build, and cut down layers in the Docker image, resulting in a 40% improvement in deployment efficiency.
- Formulated and implemented automation scripts taking advantage of Python & Shell that led to the development of several system components, resulting in a 20% increase in productivity.
- Decreased 50% cost of AWS resources by converting on-demand resources to spot services using IaC.
- Centralized system & application logging adopting ELK stack, scripted monitoring dashboards using Python on Kibana, resulting in a 20% improvement in debugging time.

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

- Lead a team of 2 people and implemented kPoint web application staging setup and rolled out on AWS cloud.
- Wrote an AWS cloud infrastructure for scaling applications employing Terraform coding and application configuration using Puppet and Python scripts, resulting in a 90% time reduction of resources provisioning.
- Performed application monitoring on Production Servers operating with Nagios and Munin Monitoring, putting together monitoring scripts to maintain 24/7 application availability and mitigate downtime.

Software Engineer Intern May 2017 - July 2017
CloudYuga Technologies Pvt. Ltd. *Bangalore, India*

- Developed an interactive full-stack web application educational platform, minimizing individual configuration efforts for installation and enhancing the classroom training experience by 50%.

SKILLS

Languages	Python, C, Java, Yaml, Shell, HTML/CSS, Javascript, Go.
Databases	Relational - MariaDB, MySQL, Non-relational - MongoDB, Redis.
Cloud Platforms	AWS, GCP, Azure(Pipelines).
Web Technologies	React, Nodejs, REST APIs, Bootstrap.
Tools	Ansible, Puppet, Terraform, helm, Jenkins, CircleCI, Kubernetes, Docker, Openshift, ArgoCD, Confluence, Jira, GIT, SVN, Bitbucket, GitLab. ELK Stack, Nagios, Munin, Splunk, kustomize.
Certifications	Certified Kubernetes Administrator, Red Hat Certified Engineer Red Hat Certified System Administrator, Cisco Certified Network Associate.

PROJECTS

Ecommerce Platform - Efficiently built, designed, and deployed an innovative E-commerce Platform using spring boot.
Staging Environment - Established a staging environment simulation infrastructure, adeptly detecting bugs and issues.
Twitter Sentiment Analysis - Actuated a machine learning project utilizing natural language processing to analyze twitter sentiments from user tweets with 91% accuracy. Made use of lemmatization, linear SVC, LR, and NB model.