

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 Cloud Engineer 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 interns 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, TypeScript.
- Databases:** Relational - MariaDB, MySQL, Non-relational - MongoDB, Redis.
- Cloud and Web:** AWS, GCP, Azure(Pipelines), React, Nodejs, Flask, Vuejs, 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, Github Actions.
- Certifications:** Certified Kubernetes Administrator (CKA), Red Hat Certified Engineer (RHCE), Red Hat Certified System Administrator (RHCSA), Cisco Certified Network Associate (CCNA).
- Other:** Customer Satisfaction, Interpersonal Communication, Organization skills, Problem Solving.

PROJECTS

- Ecommerce Platform** - Efficiently built, designed & deployed an innovative E-commerce Platform using spring boot.
- Staging Environment** - Established a staging environment simulation infrastructure, adeptly detecting bugs & 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.