Pranjal Nanavaty

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PROFESSIONAL Summary

Senior Software Engineer with over 8 years of professional experience in the field. Expertise in containerization, orchestration, Infrastructure as Code (IaC), monitoring, and CI/CD. Proficient in using Docker, LXC, Kubernetes, Terraform, Ansible, Graylog, Zabbix, and GitLab CI/CD to design, implement, and maintain scalable software systems. Skilled in troubleshooting, improving system resilience, and committed to automation, performance optimization, and process improvement.

PROFESSIONAL EXPERIENCE

Siemens Technology And Services Private Limited   **Pune, India**
Senior Software Engineer - DevOps   *November 2023 – Present*

Vertical: Siemens Advanta
Team: Siemens Financial Services - Cloud Operations
Project: Data Platform
- Introduced the discipline and commitment of doing things the GitOps way.
- Integrated a number of source applications using Self-hosted Integration Runtime (SHIR).
- Deployed Data Vault Builder on Kubernetes Cluster with Snowflake as the target database.
- Standardized Snowflake Schema Change pipelines using the Azure Pipelines.
- Automated the detection of misconfigurations, vulnerabilities and secrets in Azure Pipelines using Wiz.
- Automated SSL Certificate upgrade using cert-manager.
- Automated dependency updates using Renovate.
- Performing the role of an Assistant Hiring Manager to screen and interview candidates for DevOps roles.

Dassault Systèmes   **Pune, India**
Application Engineer - Web and DevOps   *November 2021 – October 2023*

Brand: Medidata
Team: Study Conduct
Project: Rave RTSM
- Worked on a web application for a randomization and trial supply management solution.
- Managed the deployment of the application in a partial microservices architecture.
- Introduced multi-stage build for the React based frontend.
- Introduced static code analysis using SonarQube in the Travis CI pipeline.
- Automated spell check using CSpell.
- Improved debugging time by templating the queries for Sumo Logic.
- Actively interviewed candidates for web development and operations roles.

Tata Consultancy Services   **Mumbai, India**
Software Developer - DevOps   *June 2016 – October 2021*

Vertical: Corporate Research and Innovation
Team: R&I Infrastructure
Project: R&I Cloud - Private Cloud Setup and The Web Application To Manage It
- Built the infrastructure to provide on-demand Linux Containers.
- Developed a self-service portal for users to request for containers, perform data backup, and resource upgrades.
- Introduced non-interactive job processing to train ML models on Nvidia DGX 1 and Nvidia A100.
- Utilized various Free and open-source software (FOSS) for configuring, logging, monitoring, and securing the infrastructure.

TECHNOLOGY STACK

- **Containerization** - Docker, LXC
- **Container Orchestration** - Kubernetes
- **Infrastructure as code (IaC)** - Terraform
- **Configuration Management** - Ansible
- **CI/CD** - GitLab CI/CD, Azure Pipelines
- **Log Management:** Graylog, Sumo Logic
- **Monitoring:** Sysdig, Zabbix
- **Version Control** - Git
- **Languages** - JavaScript, Ruby, TypeScript
- **Databases** - MySQL, PostgreSQL
- **Frontend Stack -** React JS
- **MVC Frameworks** - Ruby on Rails

EDUCATION

Nirma University, 2012-2016   **Ahmedabad, India**
Bachelor of Technology, Computer Engineering   *PPI: 7.31*