

SHARATH CHANDRA SREENIDHI

DevOps Engineer

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SUMMARY

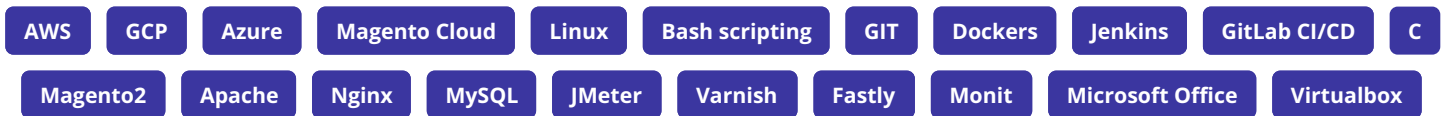
Adobe Certified Expert-Magento Commerce Cloud Developer with 3+ years of technical experience in DevOps and developing the skills to increase velocity, reliability, and quality for E-Commerce websites with a high focus on security. Deep experience with AWS, GCP, Azure, Docker, GIT, and Linux, and have expertise in automating software deployments and incorporating developer-friendly continuous integration systems and fast-paced environment, seeking to bring fast, intelligent solutions and have creative skills, technologies with innovative thoughts that will benefit the organizations in the long run for the modern age.

My skill set includes:

- Expertise in continuous deployment with Shell scripting, designing automated deployment processes with GitLab as well as source code management with a variety of tools such as GIT.
- Proficient in the use of configuring software builds using DevOps tools and have the capability to adapt and learn the new tools.
- Proficient in containerization of applications and services with the use of excellent open-source tools such as Docker.

KEY SKILLS

Software Skills



Hardware Skills



Operating Systems



PROFESSIONAL EXPERIENCE

DevOps Engineer

Jun '17 - Present

KENSIUM SOLUTIONS PVT LTD

Hyderabad, Telangana, IN

- Automated one-click deployments for 30+ cloud servers using shell script and eliminated 80% of manual work.
- Wrote Docker files with the smallest Alpine Linux image to host a wide range of DevOps tools within the Docker containers.
- Installed software components and configured application environment on a wide range of operating systems like Ubuntu, CentOS, RHEL within the different hosting providers like AWS, GCP, Azure, Rackspace, Magemojo, Jettrails, and Nexcess.
- Monitoring server infrastructure metrics to ensure the reliability of test environments for maximum availability.
- Designed the workflow of source code management with GIT and implemented GitLab CI/CD for the automated deployments.
- Configured CDN's such as Fastly and Cloudflare services for optimum performance, caching, DNS routings, and security.
- Wrote code and supported architecture in high-throughput systems on Magento cloud.
- Drove project lifespan from concept to final rollout in Magento development, system deployment, testing, and monitoring.
- Implemented new software applications and system roll-outs across the business enterprise, including Dockers and Traefik.
- Automated and implemented backup and recovery procedures for code and database systems.
- Worked closely with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, scalability, and performance.
- Monitored automated build and continuous software integration process to drive build/release failure resolution.
- Designed and built CI/CD automation tools and applications to deploy next-generation platform.
- Configured, installed, and tuned Alpine-based Docker images for a better Magento backend performance.
- Performed load testing and system-level testing using JMeter on the top E-Commerce website to verify software quality and function prior to release.
- Coordinated with hardware and system engineer leads to gather and develop the system requirements.
- Implemented chatbot for internal messenger and linked it with the ticketing tool Taiga for updates.
- Wrote custom Ansible playbook for installing the full-stack applications for Magento2(PHP, Nginx, MySQL, Redis).

EDUCATION

Bachelor of Technology, Computer Science & Engineering

Sep '13 - May '17

Jawaharlal Nehru Technological University Hyderabad, TS

Hyderabad, Telanagana, IN

Mini project: Wireless Wall Creeping Robot | 03.2016 – 04.2016

A mobile robot that can creep on the wall and is controlled by an android application. The robot is designed using Arduino(micro) microcontroller, L293D motor driver IC, and HC-05 Bluetooth module.

Major project: Remote Surveillance System | 12.2016 – 03.2017

Remote surveillance system using a Raspberry PI and integrated with android and web applications. The system is built to monitor and detect objects. The system uses a Raspberry PI with a camera module.

PROJECTS

Alpine Based Dockers for Magento 2

GitHub: <https://github.com/chellinki/alpine-magento2>

DockerHub: <https://hub.docker.com/repository/docker/chellinki/alpine-magento>

- Alpine based Docker images built using Nginx, MySQL, Varnish, PHP, Redis, phpMyAdmin, Elasticsearch, RabbitMQ, and NodeJS applications and using Traefik as a backend reverse proxy in another container to manage the multiple containers with the same set of ports.

Automated Magento Deployments using Shell Script and GitLab CI/CD

- Implemented continuous integration with the shell script, GitLab and automated all the Magento cloud deployments with a single merge button click and also implemented Logio system in a docker container to display the logs in a UI based environment and linked all the systems to Mattermost chat application to update the entire project team.

Magento 2 Multiple Developments Infrastructure using Jenkins, Dockers, HAProxy and Traefik

- This Infrastructure has a unique architecture to drive the Magento development and deployment process and also this architecture deploys databases, webserver, caching system, search system, and queuing system across multiple Docker containers for end-to-end testing while supporting continuous integration.
- Designed, implemented, and build an architecture where a single server can handle multiple Magento projects without any issues and also this architecture provides multiple domains with proper SSL/TLS to serve the different websites and also provides SSH access to the developers for the development of the E-Commerce website and to write the code and test it with Magento backend features and modules in a high level.
- Automated the complete initial setup of Magento development instance using the Jenkins pipeline using the groovy script and few system based variables to deploy the instance within 6 minutes of time.

CERTIFICATIONS

Adobe Certified Expert Magento Commerce Cloud Developer

Dec '19

Issued by: Adobe

<https://www.youracclaim.com/badges/d9141f7a-bd62-438a-8907-bd5f4085125a>

Expert in Magento Commerce Cloud platforms to integrate, develop, troubleshoot, operate, and know how to leverage Cloud platform features to enhance project operations and performance.

AWARDS AND ACHIEVEMENTS

- Awarded first prize in IEEE technical presentation for the Robotics presentation in Sreevision fest at Sreenidhi Institute of Technology, Aushapur in 2016.
- Awarded first prize in IEEE technical presentation for the Robotics presentation in Microcosm fest at Mahatma Gandhi Institute of Technology, Hyderabad in 2017.
- Awarded as a Quality Champion in Kensium Solutions, Hyderabad in 2019.
- Awarded as a Quality Champion in Kensium Solutions, Hyderabad in 2020.

STRENGTHS

- Analytical mind, ability to think logically and with clarity.
- Commitment, Goal-oriented, and Patience.
- I am a good team player, smart working and can work timelessly, and more adaptive.