

Suresh Kumar

<https://github.com/surmarp>

Email : suresh.kumar06@hotmail.com

Mobile : +91 9036193002, 8610523732

EDUCATION

- **Annamalai University** May 2014 - Dec 2016
Bachelor of Computer Application CGPA 6.6
- **Ranipettai Institute of Technology** April 2008 - April 2010
Diploma in Electronics and Communication Engineering CGPA 9

PROFESSIONAL SUMMARY

- About 7.5 years of experience as a DevOps and System Engineer on multiple flavors of GNU/Linux systems
- Proficient in Python, Shell and GNU/Linux
- Systems level Proficiency in Virtualization Technology
- Proficient in setting up CI/CD pipeline using Jenkins
- Proficient in Docker and Kubernetes
- Proficient in Git, Github and Bitbucket VCS
- Experience with Agile software development methodologies (Scrum, XP)
- Project management using Atlassian JIRA
- DevOps using Jenkins, Ansible, Vagarnt, OpenVZ, VirtualBox, KVM, Maven, SonarQube, Nexus repository, Docker and Kubernetes
- Experience in working with Micro Service Architectures
- Knowledge on web technologies such as JavaScript, CSS and HTML
- Experience in working with oracle database
- Worked with Cloud Platforms Digital Ocean, AWS and GCP
- Experience in writing firewall (IPTable) rules for RHEL CentOS servers
- Good Knowledge on Networking concepts TCP/IP protocols
- Experience in system administration which includes maintenance of Email, DNS, LDAP, VPN setup, Github and other accounts
- Monitoring health status and maintenance of servers/services (100+ VMs) of production environment using Nagios tool
- Expert in programming using Literate Programming model with GNU Emacs org-mode and Sphinx tools
- Proficient in working with GNU Emacs editor for development environment
- Experience in working with OpenEdx platform, course management and customizing APIs.

PROFESSIONAL EXPERIENCE

- **Abjayon Consulting Pvt Ltd, Hyderabad, India** Oct 2018 - Present
DevOps and Systems Engineer 3 Months

Roles and Responsibilities :

- Architect and implement CI/CD pipeline for all projects using Bitbucket and Jenkins
- Architect Micro service deployments using Docker and Kubernetes
- Containerization of Micro Services using Docker
- Monitoring Cloud infrastructure services
- Trouble shooting issues with Linux server VMs and CI/CD pipeline related issues
- Implement automation scripts using Python and Shell to meet the requirements
- Responsible for automating data model migrations using Liquibase tool
- Setting up required services on Digital Ocean Cloud to meet the requirements
- Holding responsibility of Bitbucket repos, Nexus repository, Jenkins and SonarQube servers

- **Wipro Technology Bangalore, India** Apr 2014 - Oct 2018
Associate Consultant 4.7 Years

Roles and Responsibilities :

- Develop end to end micro services and web applications
- Setup continuous integration pipeline for projects (100 + VMs)
- Release and source code maintenance of Github repositories
- Log analysis of production servers using ELK stack
- Monitor and maintenance of test, stage and production servers (100+ VMs)
- Packaging servers/services using vagrant, docker and VirtualBox
- Configuration of CI and CD tools
- Writing backup, restore and migration scripts
- Administration of Github organization repositories, email, LDAP and DNS records.
- Regularly taking logical backups (Export and Import).
- Managing Oracle database users.
- Running packages and scripts in the databases as per application requirement.
- Cloning of Databases using hot and cold backup (RMAN).

- **TSG Global Services Pvt Ltd, Bangalore, India** Aug 2011 - Apr 2014
System Engineer 2.8 Years

Roles and Responsibilities :

- Installing and configuring Windows 2008 and 2012.
- Installation and configuration of SCCM client for patch deployment
- Installation and Configuration Antivirus server (Symantec, McAfee).
- Generating SCCM and Antivirus Dashboard weekly basis.
- Monitoring Wi-Fi controllers and AP devices
- Supporting for Data center migrations
- Changing the VLAN using DM Putty, SecurCRT, and enabling and disabling the network port.
- Active Sync and OMA configurations for hand-held devices.

TECHNICAL SKILLS

- **Operating Systems:** GNU/Linux and Windows
- **Programming Languages:** Python, Bash Shell and C
- **Web Technologies:** HTML, CSS and JavaScript
- **Web Servers:** WebLogic, Apache and Tomcat
- **Automation tools:** Ansible and Make
- **Databases:** Oracle, MySQL and NoSQL
- **Container Archestration Tools:** Kubernetes
- **Version Control Systems:** Git (Github, Gitlab and Bitbucket)
- **Virtualization:** Vagrant, VirtualBox, KVM, OpenVZ and Docker
- **Cloud Computing:** Digital Ocean, AWS and GCP
- **Continuous Integration:** Jenkins and Travis CI
- **Other tools:** GNU Emacs, Bitbucket JIRA, Confluence, Redmine and MediaWiki, Apache Kafka, SonarQube, Nexus Repository and DockerHub