

Arun S Jois

<https://arunsjois.github.io>

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EXPERIENCE

• NewFold Digital

Bellandur, Bangalore

Operational Engineer

Jul 2020 - Aug 2021

◦ **Linux System Administration**

Hands on experience in Linux system administration.

Experienced in bash scripting/shell scripting.

Experienced in troubleshooting issues related to memory, storage, networking on CentOS.

Experience in writing Ansible script for Linux servers.

Experience in writing Python script and Perl.

◦ **cPanel-WHM**

Troubleshooting customer's cPanel related issues such as assigning quota to accounts(disk space, Email Accounts).

Troubleshooting customer's account to move between hosting plan.

Troubleshooting Email related issues in Exim, Dovecot, ApacheSpam Assassin etc.

Troubleshooting issues with WordPress hosted site dealing with PHP and MYSQL.

◦ **Provisioning**

Knowledge in provisioning server with Foreman.

Experience in configuration management using Puppet for Infrastructure as code(IaC).

◦ **GitOps**

Hands on work experience in GitOps(GitHub & TravisCI-creating a CI/CD pipeline).

Experience in using git to track the configuration and maintain reliability of Infrastructure as code.

Expertise in internal working of Git.

◦ **Backups with ZFS**

Worked on a project testing the feasibility of ZFS for backup system.

Knowledge of internal working of ZFS.

• NewFold Digital

Bellandur, Bangalore

Internship

Jan 2020 - May 2022

◦ **Autoremediation Platform using Stackstorm** A proof of concept for autoremediation platform to diagnose and remediate server without human intervention and also to perform root cause analysis.

◦ **Chatbot** Created a Chatbot service using Google Cloud Pub/Sub and Hubot to run scripts on a target server and also to get system stats such as CPU idle time, RAM usage etc.

KEY SKILLS

• **Linux** LVM, RAID, Linux Filesystems,ZFS, OSI Model and Local Area Networking(LAN). virtualization using libvirt,d,qemu,kvm,rsync,Bash,

• **Programming languages** Java,JavaFX,Python,Perl

• **Cloud Certification** Google Cloud Platform,GCP,GKE(pending certification)

TOOLS

• **Configure Management Tools(IaC)** Puppet,Ansible

• **Containerization** Docker and Kubernetes

• **Version Control Tools** Git

PERSONAL PROJECTS

• **Personal OTT platform using Samba and ZFS** Created a personal OTT platform using Samba server for media streaming. currently containerizing the platform using Docker and Kubernetes.

• **PXE-Boot** Create a PXE Boot setup for personal use.

• **Configuring softwares to automate routine tasks.** Has Experience in configuration vim and tmux. Writing .vimrc and .tmux.conf respectively. Experience in creating aliases command in .bashrc to run bash scripts and create custom commands.

• **Assembling Computer** Has experience in bulding CPU from scratch. Exceptional understanding of computer hardware.

- **Web based LaTeX solution** A web based Latex document generator written in LAMP, where the user can generate a \LaTeX document without writing a line of latex code.
- **Hospital Management System on MEAN stack** A Hospital bed management system on MEAN stack. Management tool to handle the availability bed in a hospital.
- **Social Media for College** Social Networking for colleges. A website that facilitates social networking for college activities. Written in LAMP <https://github.com/arunjois/test>

EDUCATION

- **R.V College of Engineering** Bangalore, KA
Master of Computer Applications- CGPA: 7.35 *Sept. 2017 – Jun. 2020*
- **Govt. Home Science College** Hassan, KA
Bachelor of Computer Applications- Percentage:70.66% *Aug. 2014 – Apr. 2017*