AMOLPRATAP SINGH
SOLUTION ENGINEER

PROFILE

Looking for a challenging role in an organization that provides ample opportunity to learn and implement latest technologies which achieves organizational and personal goals.

I have a good understanding and hands on Network Automation, Python (REST API, Plotly & Flask Web framework), Java Swing, Docker and Ansible.

I have got an experience in developing micro services using REST APIs Architecture.

Python and Core Java are the programming technologies I have worked with. Managed & Configured Database MySQL.

I have got Real time experience in developing an application primarily used to provision infrastructure using tools such as Ansible, Docker.

I am currently acquiring Knowledge in service now tool to integrate network infrastructure resources & creating Work flows and provisioning services.

CONTACT

Mob: +91-7874864527
Email : amolsingh.singh23@gmail.com
Linked in : www.linkedin.com/in/amolpratap-singh
Github: https://github.com/amol786

EDUCATION

Course	Year	Name of Institution	GPA
B.Tech	2014-18	SVNIT, Surat	6.8
Class XII	2014	Laxmi International School, Sarigam	84.8
Class X	2012	Laxmi International School, Sarigam	9.4

UNDERGRADUATION PROJECTS

I am an Electronics and communication Engineer graduated from Sardar Vallabhbhai National Institute of Technology, Surat (SVNIT Surat)

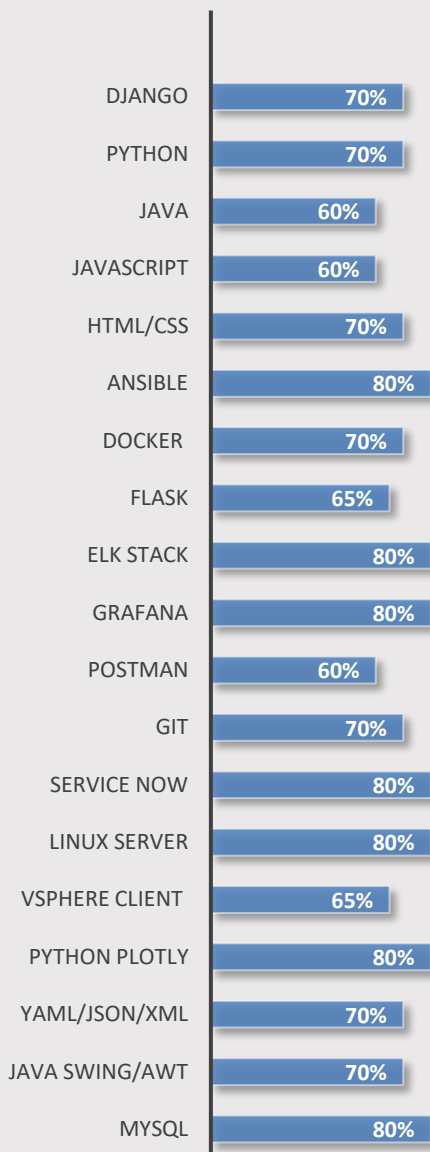### Image Communication using Embedded Linux – Major project , NIT Surat

Designed and Implemented Image Communication through Zypo board and Develop a tool to decode steganography messages. And work consists of porting Xillinux for Image Communication between two zybo boards.

Summer Internship at DRDO, Advanced System Lab, Hyderabad

Carried out a project on Network Security-DoS &DDoS attacks its Implementation and Mitigation

Core Java course in summer 2016 at Durgasoft Solutions, Hyderabad

SKILLS

Skill	Level
DJANGO	70%
PYTHON	70%
JAVA	60%
JAVASCRIPT	60%
HTML/CSS	70%
ANSIBLE	80%
DOCKER	70%
FLASK	65%
ELK STACK	80%
GRAFANA	80%
POSTMAN	60%
GIT	70%
SERVICE NOW	80%
LINUX SERVER	80%
VSPHERE CLIENT	65%
PYTHON PLOTLY	80%
YAML/JSON/XML	70%
JAVA SWING/AWT	70%
MYSQL	80%

PERSONAL INTERESTS

- Volunteer work
- Community Involvement
- Sports
- Personal Fitness

WORK EXPERIENCE

Sify Technologies   JULY 2018 – PRESENT
Team Size : 12
I'm currently working at Sify with Network Engineering Team on its Network Orchestration product & Network Automation which provides Network Services. As a Solution Engineer I am responsible to integrate the designed Architecture, workflows using RESTAPI Micro services call to the Network Infrastructure to perform orchestration and manage provisioned network services. And to provide a solution on regular task in network through Automation.

PROJECTS

Internal POC   Sep 2018 – Dec 2018

Design, Implemented and Deployed a Web Portal for network capacity matrix, Network Device Health, Fiber Health and wavelength utilization report with integrating through NBI methods.

Latency Calculator Tool   Jan 2019 – Mar 2019

Develop user friendly tool for calculation of latency between two sources based on services. And tool also provides with network traffic path with latency data.

Network Traffic Analyzer   Apr 2019 – Aug 2019

Web Application using Python Plotly to visualize the traffic path, traffic utilization and report generation of historical & current path for network traffic in the organization.

ELK Integration   Sep 2019 – Nov 2019

Deployed ELK stack to view the logs generated by all the network devices and applications across our Organization in UI which makes it easy for Analysing and Debugging purposes.

Network Provisioning through Ansible   Dec 2019 – Apr 2020

Developed custom ansible modules & deployed bulk configuration based on work flow with checks in network environment for network service provisioning.

Billing and Inventory System Application   May 2020 – Present

Developed Django web applications for Network inventory from multi-vendor for BoQ and Inventory System portal for tracking the devices in whole Sify network.

Network Orchestration Platform   Nov 2020 – Present

Currently working on Service Now platform where organization has flexibility to provisioned network services. The provisioned network service will be managed by our organization as per selected plan.