

Resume

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Career Objective

Looking for a challenging role in a reputable organization to utilize my technical, database, and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector. Experienced in all aspects of software development lifecycle and end-to-end project management.

Key Skills

Programming:

- Python Programming (Core python including Pytest/unit test cases)
- Tools/Frameworks: Flask, Celery, RabbitMQ, Kafka
- Load Balancer/ReverseProxy: Nginx
- Version Control: Git, Jira
- Deployment Strategy: BitBucket and Bamboo and Nexus

Cloud Tech:

- AWS (EC2 and Lambda)

Database:

- Relational DB: PostgreSQL, MySQL
- No-SQL Database: MongoDB, Redis

DevOps:

- Linux Internals – OS (Experience on Ubuntu and OEL)
- Docker, Nagios/Opsview, Ansible, Puppet

Virtualization:

- Hypervisor: KVM (Kernel Virtual Machine), VMWare, LXC Containers
- Tools: virsh, virt-builder, virt-customize, virt manager

Cyber Security:

- Wireshark, tcpdump & Volatility (Memory Analysis)
- Static & Dynamic Analysis for MacOS Platform
- Static and Behavioural Analysis for Linux files

Experience

IT Security Professional

British Telecom, Gurgaon, IN / Oct 2022 - Present

- Developed Plugins and modules in Python for the designated projects.
- Developed unit test cases for python modules
- Designed the message queue using Kafka to monitor the Backup Status for devices being monitored
- Actively working on Opsview- a monitoring tool by developing code in python
- Create and maintain fully automated CI/CD pipelines for code deployment using Jira and BitBucket, Bamboo and Nexus
- Vulnerability Automation using Ansible that patched around 500 servers
- Basic Knowledge of AWS and Docker.
- Attending the PI planning session and iteration work with their story points.

- Serves as primary point of contact for business users from application on critical privacy incidents and war rooms.

Senior Software Developer

Aspirify Enterprises, New Delhi, IN / Aug 2020 – Oct 2022

- Automation tasks using Python that removes manual intervention for performing Malware Analysis of Linux and MacOS files.
- Integrated FlaskAPI with celery in python to handle web API calls.
- Extensive use of RabbitMQ message broker that can handle 10K calls per hour to manage tasks without failure
- Conducting malware analysis and reverse engineering on suspicious code, and producing a detailed report of the findings.
- Create and maintain fully automated CI/CD pipelines for code deployment using Ansible, Git.
- Managed GitHub repositories and permissions, including branching and tagging
- Setting up of Nginx and Flask API services along with HA and keepalived services to cater reduce network downtime and enabling celery and RabbitMQ to handle large tasks concurrently.
- Installed and configured Nagios and flowerd services to constantly monitor network bandwidth, memory usage and services related activities.
- Managed PostgreSQL database and MongoDB database to handle all entries and queries, created replica set for failover.

Software Engineer

Savitri Telecom Services, New Delhi IN / May 2017 – Aug 2019

- Designed and configured database for backend applications and programs
- Experienced in reviewing Python code.
- Worked on logstash and Kibana to monitor Cyber security logsWorked on IPC mechanisms for Linux OS
- Understanding of Qemu/ Kernel Virtualization.

Academic Background

Degree	Board/University	Passing Year	Percentile
PG-Diploma System Design	CDAC - Hyderabad	Aug 2019 – Feb 2020	A Division
B.Tech (EC)	Sharda University, Greater Noida	2013 - 2017	86
12 th (CBSE)	Morning Star, UP	2011-2012	76
10 th (ICSE)	HBEC, Kanpur. UP	2010	85