Saket Srivastava

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Site Reliability Engineer with 8+ years of experience in designing, deploying and administering scalable systems.

Skills

Programming Languages: Python, Bash, Golang, Perl, C, Web (js/css/php)
Applications: Ansible, Nagios, Containers (systemd-nspawn/docker), MySQL, LDAP, Kerberos, Jira/Bitbucket/Bamboo, htcondor, Kubernetes, Netbox
Platforms: RHEL 7/8, Ubuntu 16.04/18.04/20.04/22.04, Windows 8/10/11, AWS

Experience

Millennium Consulting (India) Pvt. Ltd. | Bengaluru, India

Software Engineer | Jan 2023 - Present

- Maintained and supported market data capture and normalization pipeline across multiple colocations.
- Wrote ansible playbooks to automate deployment and monitoring of market data feed handlers.
- Created scripts for auditing and reporting data availability/SLA.
- Deployed netbox and ansible for inventory management and automation.
- Benchmarked and optimised feed handler and OS configs.

ConnXAI | Remote

Technical Architect | Aug 2022 - Dec 2022

- Deployed Netbox and modeled fields for client Thermofisher Scientific.
- Created ETL scripts to query and populate data to Netbox.

A.P.T. Portfolio Pvt. Ltd. | New Delhi, India

Senior DevOps Engineer | Mar 2018 - Aug 2022

- Designed, deployed and maintained multiple enterprise applications like Jira, Bitbucket, Mail Server (postfix), Web Server (apache), mysql etc.
- Automated and streamlined System Administration using python/bash.
- Managed instances, services, VPCs and Security Groups on AWS Cloud.
- Deployed Nagios monitoring system and wrote custom checks.
- Designed and developed processes for organisation-wide adoption of configuration management system (ansible) and container solutions (systemd-nspawn).
- Deployed inventory management system (netbox) and integrated it with ansible.
- Maintained SAN and NAS storages and optimised servers for optimal throughput.

D. E. Shaw India Pvt. Ltd. | Hyderabad, India

Member Technical | Mar 2016 - Mar 2018

- Being a part of systems team, supported D E Shaw infrastructure consisting of RHEL, Microsoft and various proprietary applications.
- Worked on multiple automation projects to automate the repetitive tasks in python and powershell.
- Managed Active Directory for user management and access control.
- Created new alerts using python for a proprietary monitoring system.
- Responsible for troubleshooting a variety of user issues and alerts.

One.com India Pvt. Ltd. | Gurgaon, India

Associate System Administrator | Aug 2015 - Mar 2016

- Worked with open source applications such as Apache, Postfix, Bind etc. on Linux platform, Systems Administration and IT-Security projects.
- Responsible for programming and maintaining code in Perl and C
- Provided third-level support on rotational shifts.

Projects

Enterprise infrastructure Setup | A.P.T. Portfolio

- Deployed organisation-wide Authentication, Authorization and naming services.
- Automated provisioning and configurations of servers.
- Programmed various ansible components to integrate with existing infrastructure and working CI/CD setup.

Job Scheduler Setup | A.P.T. Portfolio

- Deployed Job Scheduler (HTCondor) for simulations jobs.
- Maintained grid policies for access control and fair sharing of resources.
- Configured servers and storage for higher throughput of simulation jobs.
- Configured provisioning of execute nodes on AWS spot instances.

User Provisioning Automation | D. E. SHAW

- Completed the automation of user account creation process for new user joining the firm.
- Automated the RSA SecurID token assigning and creation using RSA AM SDK in Java.
- Created various alert scripts for monitoring the RSA two factor authentication system.

OneView | One.com

- Created dashboard for SysAdmins to monitor multiple monitoring systems in one screen.
- Created the backend for integrating Nagios/Shinken, ticket tracker system in python.

Open source

- **Passwd Mgr:** A simple password manager for windows using native Windows API code in C++.
- **klg:** A tiny keylogger for Windows OS.
- **netbox-awx:** Intenvory script for Ansible Tower to integrate with netbox (Open Source DCIM and IPAM).

Education

Degree	Institute	College	Years
B. Tech.	UPTU	IMS Engineering College	2011 - 2015
Intermediate	CBSE	The Awadh School	2011
High School	CBSE	Rani Laxmi Bai Memorial School	2009