

Saket Srivastava

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Site Reliability Engineer with 5+ years of experience in designing, deploying and administering scalable systems, currently working with a High Frequency Trading Firm.

Skills

Programming Languages: Python, Golang, Bash, Perl, C, Web (js/css/php)

Applications: Apache, Ansible, Postfix, Nagios, Containers (systemd-nspawn/ docker), MySQL, bind, LDAP, Kerberos, Jira/Bitbucket/Bamboo, htcondor

Experience

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

Senior DevOps Engineer | Mar 2018 - Present

- Designed, deployed and maintained multiple enterprise applications like Jira, Bitbucket, Mail Server (postfix), Web Server (apache), mysql etc.
- Optimized High Frequency Trading servers for latency sensitive applications.
- Automated and streamlined System Administration using python/bash and provided System support.
- 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.
- Provided 2nd and 3rd level support to traders.
- 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.

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 a new monitoring system for SysAdmins to monitor multiple interfaces in one screen.
- Created the backend for integrating Nagios/Shinken, ticket tracker system in python.
- Created the interface specially crafted for big screen to show the current systems health.

K-anonymity | IMS Engineering College

- Created new algorithm to achieve K-Anonymity with full traversal tree.
- Implemented the new alogorithm in Java to achieve optimal solution in minimal time.

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