Rejul James
Mob: +1 312 614 9042/ 3145 S Wells Chicago, IL 60616
Email: rejuljames@gmail.com
LinkedIn: https://www.linkedin.com/in/rejuljames

Summary

- 3 years of experience in DevOps and Systems Engineering on several flavors of Linux
- 3 months of experience in infrastructure data analytics
- Experience in writing the automation scripts with Python, C, and Shell Scripting.
- Experience in configuration management tool like puppet and saltstack
- Knowledge in SQL database like MySQL and NoSQL database like Apache drill and Hbase

Education

Illinois Institute of Technology, Chicago, IL | GPA 3.2   January 2015 – December 2016
MS in Computer Science

Model Engineer College, Kerala India | GPA 3.2   August 2008 – May 2012

Certification

- Red hat Certified Administrator and Engineer(120-137-252)
- Red hat certified Virtualization Expert
- Red hat Certified Security Specialist

WORK EXPERIENCE

MapR Technologies: Marketing Analytics Intern (June 2016 – Aug 2016) , San Jose, CA

- Worked as Marketing Analytics Intern for processing and securing Clickstream data in MapR sites and Blogs
- Used Divolte collector of collecting User information and pushing the data in MapR files System.
- Convert the Json files into tables using Apache Drill for SQL Querying
- Used Elasticsearch for Querying and Kibana for visualization
- Provided security for Kibana using LDAP and Kerberos(IPA) by keeping NGINX proxy server
- For data flow management I worked with Streamsets and configured streamests with FreeIPA

SmartIdeas INC: Devops Engineer (Sept 2015- Jan2016) Chicago, IL

- Worked as Devops engineer for automation of infrastructure operation and support in day to day operation
- Implemented and maintained monitoring and alerting of production and corporate servers such as EC2 and storage such as S3 buckets using AWS Cloud Watch.
- Experience in automated deployment of EC2 instances in data centers and availability zones.
- Involved in deploying the content Cloud platform on Amazon AWS using EC2, S3, and EBS. Evaluate Salt and Ansible framework and tools to automate the Cloud deployment and operations.
- Automated the Wordpress and MySQL container deployment in Docker using Python and monitoring of these containers using uptime robot and Nagios
- Configured Mailgun in containers for failure notification using Python

TATA CONSULTANCY SERVICES

Digital Enterprise Service and solution – Hadoop Admin(Sep2014-Dec2014), Kerala, India
- Worked as Hadoop Admin in TCS Digital Enterprise - Analytics and Big Data team. Responsibilities include installing and configuring different Hadoop distributions on clusters - (Cloudera, Apache, and Hortonworks)
- Responsible to install the Cloudera distribution on 6 nodes and Hortonworks distribution on 6 nodes with the Hadoop eco system services like Zookeeper, Hive, Hbase, Oozie, Hue and scaling up the clusters by 6 nodes.

Digital Enterprise Services and Solution – LINUX ADMIN(Dec2012- Aug2014), Kerala, India

- Good knowledge of ITIL framework which is used for IT management services. Experience in working in ticketing tool CCM and perform RCA for service interruption
- Installation and Configuration of Red Hat Linux OS, CentOS, Fedora, Ubuntu, Solaris. and perform daily activities like, checking connectivity, disk space, CPU memory consuming, application status.
- Configuring network services like NFS, NIS, DHCP, DNS, SAMBA, FTP, HTTP, TCP/IP, SSH and Firewall
- Configured kickstart server using TFTP and updating/applying patches to the servers using Redhat Satellite server.

- Installed and configured monitoring tool Nagios for monitoring the network bandwidth and the hard drives status
- Performed routine LVM tasks like replacing failed drives, adding new volume groups, extending volume groups/LVM/file system, exporting and importing volume group for hardware migration
- Installation and configuration of MySQL, Mongo DB, PostgreSQL database on RedHat/Debian Servers.
- Designing and implementing for fully automated server build management, monitoring and deployment By Using DevOps Technologies like saltstack and Ansible
- Experience in building private cloud infrastructure using OpenNebula, RHEV-M(certified) and Openstack
- Maintenance of guest OS in private cloud. Backup scripts and monitoring of hypervisor and guest OS.

Projects

Bench Marking Amazon VM's
- Benchmarked Amazon T2.Micro Instance using python code. Benchmarked different components such as memory, disk, network and CPU
- Used tools for benchmarking also. Memory: Stream Benchmark Disk: Iozone Network: IPerf CPU: Linpack

Benchmarking of different Distributed frame works
- Benchmarked different distributed frame work such as Hadoop, Spark and OpenMPI
- Calculated Throughput and reliability of different frame works

Book Recommendation System
- Analysis twitter feeds to predict rating of recently published books and recommended readers a set of books based on their previous tweets and Validated our rating using amazon API
- Geographically located the readers and displayed the spread over a world map using Google maps API

ONLINE SOCIAL NETWORKING ANALYSIS USING PYTHON TWITTER API
- Used python and twitter API to analyzed the followers list to find the most popular candidate from a list of democrat and republican candidates
- Constructed a graph showing the links between popular presidential candidates using NetworkX
- Used community detection algorithms like Girven Newman.

Virtual Database Management System [C]
- Implemented a Virtual DBMS that handles record manipulation tasks
- Developed caching strategies: FIFO, LRU and LFU for improving the latency and hit rate.

Awards and Achievements
- Undergoing Training **Cisco Certified Network Administrator**
- 1st runner up in **CUSAT UNIVERSITY ARTS SARGAM-11** for mime competition
- 1st runner up in **MTV Roadies Roadster** in College of Engineering Trivandrum.
- **ESPN School Quiz** winner in school and got selected for district level competition.

Positions of Responsibility
- General secretary for **TREE-The Road To Environment Excellence** association **2011-2012**
- Event co-ordinator **EARTH HOUR 2K11**