

## **Rejul James**

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### **Education**

Illinois Institute of Technology, Chicago, IL | GPA 3.2

January 2015 - Present

MS in Computer Science

Relevant subject: Advance Database Organization, Software project Management, Wireless Networks, Online Social Media analysis, Information Security, Computer Networks

### **Certification**

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

### **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: Izone 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.

### **WORK EXPERIENCE**

#### **SmartIdeas INC:** Devops Engineer (Sept 2015- Jan2016)

- Worked as Devops engineer for automation of infrastructure operation and support in day to day operation
- 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)

- 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) as per the requirements from product teams
- 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)

- 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.
- Experience in building private cloud infrastructure using OpenNebula and RHEV-M(certified).
- Advanced automation scripting skills using Ansible and Satlstack
- Maintenance of guest OS in private cloud. Backup scripts and monitoring of hypervisor and guest OS.

### **Awards and Achievements**

- Undergoing Training **Cisco Certified Network Administrator**
- 1<sup>st</sup> runner up in **CUSAT UNIVERSITY ARTS SARGAM-11** for mime competition
- 1<sup>st</sup> 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**