**Rahul Sureshkumar Jhunjhunwala**

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**EDUCATION**

Master of Engineering in Computer Science Expected in Dec. 2017

*University of Cincinnati, Cincinnati*

Coursework: Advanced Algorithms, Artificial Intelligence, Machine Learning, Database Management

Bachelor of Engineering in Information Technology May 2012

*Sardar Patel Institute of Technology, Mumbai University, Mumbai, India*

Coursework: Data Structures and Algorithms, Operating Systems, Computer Programming, Database Technologies.

**TECHNICAL SKILLS**

Languages & Frameworks: Java, Python, PL/SQL, Spring, Hibernate, Django

Web Technologies : JavaScript, HTML5, CSS3, Twitter Bootstrap, REST, SOAP

Databases & Tools : Eclipse, Oracle 11g, Sybase, MySQL, MATLAB, SVN, Git, Maven, Iaas using Eucalyptus

**PROJECTS**

**Hyperloop UC – SpaceX Hyperloop Pod Competition, United States** December 2016 – January 2017

* SpaceX specifications require communication with Raspberry Pi using UDP sockets which is implemented in Java and it displays real time data on graphs in GUI using Swing and JFreeChart.
* Implemented logic for timeout at specific conditions and ability to reconnect the hardware in case of disconnect.
* Receiving 50 bytes of data in hexadecimal format which was decoded using typecasting and conjunction (&) logic.
* Sending 34 bytes of data to SpaceX in signed and unsigned integer and byte datatypes using ByteBuffer class.
* Performed functions like logging, unit and integration testing, and use of multithreading in the code.

**Analysis of NGOs’ Transactions from IRS.gov, United States** December 2016 – January 2017

* Parsed 300,000 xml files which contain non-uniform element tags, extracted 25 elements with the data and saved it in a csv file using Python and ElementTree library.
* Used dictionary to implement switch case for elements in different files with different tags but similar data.
* Dynamic data elements were saved in a list in a column and separated in excel using comma as the delimiter.

**Virtual Computing Lab, Research Project, Mumbai, India** August 2010 – April 2012

* Implemented Eucalyptus 2.0 with android-x86 image and tested them on Samsung phones as final year dissertation.
* Performed kernel and ramdisk modifications in order to enhance features of Androidx86 Froyo and Honeycomb images.
* Worked on different setups of cloud to test working and connectivity of the cloud components by running multiple instances for computer science course laboratory session.

**WORK EXPERIENCE**

**JPMorgan Chase & Co., Mumbai, India** July 2012 – February 2016

*Associate*

*Application Development* 19 months

* Risk and PnL reconciliation tool used for reporting by traders and middle office for different markets and regions.
* Performed SDLC functions like design, build, test and release in all Dev, UAT and Production environments.
* Reduced manual report generation by developing an automated program with complex attributes using xml.
* Worked as a business analyst in a migration project and gathered requirements from business users.
* Modified business logic in pl/sql cutting down job execution time by 85%.
* Created a scalable automation tool which made Start-Of-Day checks easier, transparent and reduced the manual checks by 75%, creating great user experience, in .Net and C#.

*Production Support* 22 months

* Decommission of a tool saved huge amount on licenses, reduced inconsistencies and training hours.
* Optimized monitoring tool by reducing 60% false alerts thereby reducing load and avoiding frequent disconnects, and saved 10 man-hours daily. Developed strategies for implementing rules to tackle load balancing problems.
* Business expansion by 50% by on-boarding applications from other support teams. Automated critical processes and provided first-time-fixes (FTF) for 40% alerts thus reducing escalations.

**AWARDS**

* Rewarded with an early promotion from Analyst to Associate due to exceptional performance.