**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*

**TECHNICAL SKILLS**

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

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

Databases & Tools : Eclipse, Hadoop, Oracle, Sybase, MySQL, MATLAB, Git, SVN, Maven, IaaS using Eucalyptus

**WORK EXPERIENCE**

**Software Developer, Hyperloop UC Dec. 2016 – May 2017**

* Created an intuitive telemetry application, to communicate with the Hyperloop pod from a remote workstation, using Java for the back-end.
* Developed a full duplex communication interface to send emergency control signals and receive continuous statistics from the pod via a UDP connection.
* Designed and created a UI using JavaFX for displaying real-time health statistics of the pod.

**Associate Application Developer, JPMorgan Chase, Mumbai, India May 2014 – Feb. 2016**

* Risk and PNL reconciliation tool used for reporting by traders and middle office for different markets and regions.
* Agile methodology was implemented to track recurring bugs which were fixed based on priority and reduced manual report generation by developing automated SQL scripts which took customized inputs.
* Modified business logic in PL/SQL cutting down job execution time by 85% and 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 Analyst, JPMorgan Chase, Mumbai, India Jul. 2012 – Apr. 2014**

* 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.

**PROJECTS**

**Security Contest, Network Security, UC Jan. 2017 – Apr. 2017**

* Developed code in Java for sockets programming, Diffie-Hellman for key exchange, and authenticate certificate by RSA.
* In the contest, participants had to steal points from their opponents and save their own points from getting stolen. Internal transferring of points adds 1 percent of the transaction to the receiver.
* Programmed code for password change after every transfer so that captured keys were useless for the next round.

**Virtual Computing Lab, Research Project, Mumbai, India Aug. 2010 – Apr. 2012**

* Implemented VCL in Eucalyptus 2.0 and Ubuntu Enterprise Cloud using Ubuntu 9.04, 9.10 and10.04 servers.
* Testing of instances, services, security, connectivity, and cloud setup environments was conducted almost every day.
* Created various images and performed kernel/ramdisk modifications to add features and tested live during practical sessions. It saved software licensing by 75% and curtailed expenses by purchasing terminals instead of desktops.

**AWARDS AND ORGANIZATIONS**

* Rewarded with an early promotion from Analyst to Associate due to exceptional performance.
* Participated in the American Marketing Association Annual Conference of 2017 held in New Orleans.
* Received University Graduate Scholarship at UC, which waived 35% of my tuition fees.