Rishabh Jain

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KEY COMPETENCIES
- Software engineer with 3+ years of work experience developing web frameworks with high throughput and low latency.
- Experienced in object-oriented design and development of J2EE applications.
- Versed in the latest technologies and bringing expertise in Java, SQL, Python, JavaScript and other programming languages.

EDUCATION
- **STONY BROOK UNIVERSITY, NY**/ *Master of Science in Computer Science (2018-2019)*
- **NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, DELHI**/ *Bachelor of Engineering in CE (2011–2015)*

TECHNICAL SKILLS
- **Programming Languages:** Java, C, C++, Python, JavaScript
- **Technologies:** SOAP and REST web services in Java
- **Frameworks:** Spring MVC, Spring Data JPA, AngularJs,Gemfire cache,Guava cache, Kafka, GraphQL,Google Proto buff, JUnit
- **Project Methodology:** Agile Methodology, Water Fall Methodology
- **Tools:** GIT, SVN. Eclipse, Apache Tomcat server, JIRA,SOAP UI, JMeter
- **Databases:** MySQL, SyBase

WORK EXPERIENCE

MORGAN STANLEY | *Senior Associate (Java Developer)*   *[Oct 2017- Jul 2018]*
Account/Party maintenance with Write Back Cache
- Implemented *write back cache* architecture in Java to update account/party data while writing asynchronously to database.
- Developed *Google Protocol buffers* solution to encode the service request and response, increasing the latency by 50%.
- Improved User Experience for IRD, COB users by reducing the *service response* time by 70%.

ACCOLITE | *Senior Software Engineer*   *[July 2015- Oct 2017]*
Object Model and Distributed Cache
- Implemented distributed "*Gemfire*" caching system for COB(Client On Boarding) application, allowing users to access data extremely fast by developing RESTful and SOAP APIs on top of cache to read data from cache instead of database.
- Improved system performance by Implementing *GraphQL* solution for reading partial data for external clients.
- Brought down the response time of web service to 60 ms as compared to 2 seconds earlier.
- Handling 5000 requests per second, the system was running 200 million evaluations in 12 hours, the same used to take more than 2 weeks before.

Conference Room Management System (CRMS)
- Developed *Conference room management system* (CRMS) which is used to book conference rooms across multiple locations of a company using Java, Spring, Hibernate.
- Designed and developed intuitive graphical user interfaces that meet user needs and improve productivity.

SAMSUNG | *Software Developer Intern*   *[June 2014-July 2014]*
Access Control System Using OTP'S
- Analyzed and implemented *One Time Password* (OTP) algorithms including TOTP, HOTP, and OCRA.
- Developed an android application for access control system using One Time Passwords.

ACADEMIC PROJECTS

GESTURE RECOGNITION SYSTEM AND CURSOR CONTROL
- Developed a tool to recognize hand gestures in real time using web camera and control cursor using index finger.
- Implemented a Haar-feature cascade classifier using OpenCV library in C++ to train the data set for recognizing gestures.
- For controlling cursor, used K-means to find best k cluster centers of RGB values of pixels in image.

MACHINE LEARNING COURSE FROM COURSERA
- *Spam Detection System*: Preprocessed and tokenized raw emails, trained SVM to detect spam.
- *Movie Recommender System*: Predicted user ratings and made recommendations based on preferences. Used conjugate gradient algorithm to minimize regularized cost function for collaborative filtering.

AUTOMATIC LANGUAGE DETECTOR
- Given a piece of text, developed a tool that detects the language of that text.
- Built an index of words in the data set of four languages and used Bayes algorithm detect the language.

ACCOMPLISHMENTS

- Top Performer of the Year 2015-16 and Exceptional Talent Award Oct-Dec 2016 Quarter At Accolite Inc.
- Promoted to Senior Software Developer within 12 months of employment.
- Participated for onsite regionals at ACM-ICPC 2014. Among top 200 teams selected in 1500+ teams for onsite regionals.