Rishabh Jain

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Key Competencies

Software engineer with 3+ years of professional work experience in application development, Database design and Client Engagement. Skilled in Python, C++, Core Java, and Java EE.

Education

Stony Brook University MS, Computer Science(August 2018-Present)
Netaji Subhas Institute of Technology, Delhi BE, Computer Engineering(2011-2015)   CGPA: 7.57

Technical Skills

Frameworks/Libraries: Apache CXF, Spring Data JPA, Gemfire, Guava cache, Swagger, GraphQL, AngularJS
Languages: Java, C, C++, Python, JavaScript   **Databases:** Sybase, MySQL

Professional Experience

Senior Associate, Morgan Stanley, Bengaluru   October, 2017 - July, 2018

- Account/Party maintenance with Write Back Cache
  - Implemented write back cache solution to update account/party data, while supporting the legacy architecture for account/party creation. Developed web services. Wrote Stored Procedures to write data asynchronously into the database.
  - *Key Achievements:* Enhanced User Experience while updating accounts and parties by improving time to update by 70%.

Software Engineering Consultant, Morgan Stanley, Bengaluru   September, 2015 – October, 2017
Senior Software Engineer, Accolite Inc.

- ObjectModel and Distributed Cache
  - Implemented distributed "Gemfire" caching system, allowing clients with extremely fast access to data. Developed RESTful and SOAP APIs on top of cache to read cache data.
  - Implemented GraphQL solution for reading partial data for external clients, improving latency.
  - *Key Achievements*: Brought down 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)   July, 2015 – August, 2015
  - Coordinated a team of 5 in developing an application named 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

Intern, Samsung Research Institute, Bengaluru, India   June, 2014 – July 2014
  - 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.
  - Implemented a Haar-feature cascade classifier using OpenCV library in C++.
  - For controlling cursor, used K-means to find best k cluster centers of RGB values of pixels in image.

8-Puzzle Game (Artificial Intelligence)
  - Implemented 8-puzzle game with uniform cost search algorithm, A* with Misplaced tiles heuristic (Average time taken =0.52 sec) and Manhattan distance heuristic (Average time taken = 0.06sec) and compared performance of the algorithms.

Achievements

  - Top Performer of the Year 2015-16 at Accolite Inc. and Exceptional Talent Award Oct-Dec 2016 At Accolite
  - Participated for onsite regionals at ACM-ICPC 2014. Among top 200 teams selected in 1500+ teams for onsite regionals.