MURTAZA MANASAWALA
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SUMMARY
Result-oriented professional software engineer with more than 2.5 years of industry experience. Expertise in enterprise software development, requirement gathering, problem-solving, data structures, and testing methodologies. Analytical and detail-oriented work well under pressure and meets deadline consistently while delivering high-quality work.

EDUCATION

San Jose State University, CA	**M.S in Software Engineering**	Dec 2019
Rajiv Gandhi Technical University, India	**B.E in Information Technology**	June 2015

Related Coursework: Distributed Systems, Software Design Patterns, Machine Learning, Data Structures and Algorithms, Operating System, Object Oriented Programming, Cloud Computing, Large Scale Analytics, Database Management System

SKILLS
- **LANGUAGES:** Ruby, Java, JavaScript, Python, Go, C#
- **Frameworks –** Rails, Django, Spring, Spring Boot, Express, .NET, JUnit
- **Web Technologies:** Node JS, React JS, Redux, Angular JS, HTML5, CSS3, AJAX, jQuery, JSON, Bootstrap, REST/SOAP Web Services, plotly JS, SCSS
- **Cloud:** Docker, Kubernetes, AWS SDK for Ruby, CloudFront, Amazon S3, Heroku
- **Tools:** JIRA, Maven, Gradle, Git, RabbitMQ, BitBucket, JMeter, Mocha,Selenium, Apache Kafka, Apache Zookeeper
- **Database:** MySQL, PostgreSQL, MongoDB, Solr, ElasticSearch, SQLite

PROFESSIONAL EXPERIENCE
Graduate Research Assistant, San Jose State University, CA   **May 2018 – present**
- Created preprocessor and dashboard for wafer processed log files and dump data in Solr and ElasticSearch
- Improved machine performance by reporting delays and calculate differences in manufacturing times in events
- Visual/Graphical representation using Plotly JS for drilled down analysis of semiconductor process

Associate Software Engineer, InfoBeans Technologies Ltd., India   **August 2015 – January 2018**
Interior Decoration and Social Networking
- Implemented all features of the website from front-end enhancements to backend architectural changes utilizing Rails
- Involved in analysis, specification, design, implementation and testing phases of Software Development Life Cycle

Consulting mobile application
- Created chatting, audio, and video calling web application and REST API for a mobile app using XMPP and Opensips
- Used Amazon S3 and CloudFront for album uploading which increased the performance of the website by 23-25%

Sports News, Social Betting & Community
- Developed web application for a user to bet on a match, read latest match articles and socialize across the globe
- Implemented Fantasy Soccer/Cricket functionality using complex algorithms to show real-time fantasy points updates

Advertising Mobile Application:
- Implemented provision of free calling credit based on video advertisements by redeeming points on watching videos
- Designed entire admin portal to display statistics based on different value measures and created graphs using D3.js

ACADEMIC EXPERIENCE
Movie Ticketing Portal(Replica of Fandango Website)
- A Cloud-based solution in a distributed environment using Kafka as a messaging queue with an analytics dashboard
- Redis Caching used for search feature resulting server to respond to 10,000 concurrent users within 1 second

Job Search and Hire Website(Replica of Freelancer Website)
- Developed a distributed application which provides all features of freelancer using MERN stack along with Apache Kafka as a messaging system, Passport JS as an authentication middleware and Mocha/JMeter as Testing Frameworks
- Increased performances significantly by 12-14% for server response by designing own version of connection pooling

Partition Tolerance & Cloudscaled Microservice App
- Tested Partition Tolerance of NoSQL Databases and read/write behavior by connecting 5 Ubuntu instances of AWS in CP and AP mode and demonstrated system behavior during partition and after partition recovery.
- Developed burger counter application data services in Golang and deployed using microservice architecture

Media Based Services Website(Replica of NetFlix)
- Developed exact similar UI like Netflix and implemented REST API's for a complex set of functionalities in JAVA
- Managed Database design, backend architecture and application deployment aspects of software development

Emily AI
- Machine Learning web based model to talk to depressed people developed using MERN Stack and Dialog flow
- Integrated Blockchain to decentralize nodes and allow backtracking of chats only by administrator to enhance security