Mayank Khullar

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Summary

Software Developer skilled in Java, JavaScript, and Python. Working as a Research Assistant on sentiment analysis by taking advantage of Hadoop, Elasticsearch and by building RESTful APIs. Currently seeking opportunities in the field of Big Data.

Education

Master of Science, Computer Science, Arizona State University, Tempe, AZ. GPA: 3.67 05/2018

Bachelor of Science, Computer Science, Jaypee Institute of Information Technology, Noida, India. 05/2014

Professional Experience

Graduate Research Assistant, ASU Decision Theater **08/2017 – Present**

- Research on sentiment analysis and developing Applications using Python web frameworks like Flask and Django, DB like PostgreSQL, MongoDB, Elasticsearch, and Hadoop clusters.

Software Engineer, Cerner Corporation **04/2015 – 06/2016**

- Pitched in and saved SLA by dedicating more than 70 hours for a week and got appreciated by managers from India and USA.
- Developed patient appointment scheduling applications for hospitals and clinics.
- Gained experience in Microsoft Foundation Classes, COM, Cerner Command Language and Agile Methodologies.

Associate Software Engineer, Accenture. **08/2014 – 03/2015**

- Worked as a full stack web developer and built web services (REST and SOAP).
- Reduced the workload of client's BPO by 30% by developing interactive voice response (IVR).
- Reduced the manager's workload by 20% by developing report tracking tool and in turn upgrade my knowledge of Java, maven, hibernate, spring.

Technical Skills

Big Data Ecosystem	Hadoop, ElasticSearch, Apache SparkSql, Scala, Hive.
Programming Languages	Java, Python, Android, C++, C#.
Frameworks	Spring, Hibernate, Django, Flask, WCF.
Web Technologies	RESTful API, JSP, JavaScript, Ajax, D3, CSS3, HTML5, AWS.
Database Technologies	Relational Databases (MySQL, SQL/PLSQL, PostgreSQL) and NoSQL (MongoDb).
Tools	Git, Maven, Jenkins, Agile Methodologies and Jira.

Academic Projects

Geospatial Distributed Computing using HDFS and Apache Spark

- Performed geospatial database operations on large datasets stored in distributed systems using Hadoop, Apache Spark, Scala, Hive, GeoSpark library in Linux.

Book My Room: A distributed Application

- Implementation using WCF web services, Implementation of Events and delegates.
- Regulated booking of rooms using Multi Cell Buffer, Implementation using Mutex and Semaphores in C#.

Batroid: Android based Personal assistant.

- Context Aware Android application, Geo Do Not Disturb using Google Geo fencing API, Automatic call rejection and reply for calls and text when in Geo DND.
- Notifications alert and directions to meetings, Automatic Birthday wishes and weather Notifications.

C55 Bank: Secure Banking Web Application

- Lead a Team of 16 people, Built Public Key Infrastructure, Developed Saving/Current Account and credit purchase.
- Fortified security layer by One-time password, Regulated Session Management using Spring securities, developed Ajax calls to REST Controllers.

Data Cluster Analytics

- Implemented different clustering and classification techniques for pattern discovery using K-Means, K-Nearest neighbor, Support Vector Machine, Neural Networks and Ensemble Learning on real datasets.

TrackKar: Android Based Application

- Cloud based application for traffic updates, displayed traffic updates in the form of a list and a map plot.
- Built GPS location tracking facility, built following a friend feature to get the shortest path to your friend.