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SWETA BANSAL

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EDUCATION

Virginia, USA <ul style="list-style-type: none">MS in Computer Science	George Mason University	Graduated - May 2016 GPA: 3.77/4.00
Sikkim, India <ul style="list-style-type: none">Bachelor of Technology in Computer Science	Sikkim Manipal Institute of Technology	Graduated - June 2012 GPA: 8.31/10

EMPLOYMENT

Staff Developer	FINRA, MD, USA	Feb 2020 – Present
<ul style="list-style-type: none">Developed ETL process for OTC(Over the Counter) data in Spark to run on AWS EMR cluster and write the final data to AWS S3. Link to the final dataset - https://otctransparency.finra.orgContributed to open source data catalog tool for easy accessibility of petabytes of stock market data from FINRA's metastore(Herd) to ML Notebook Environment(Databricks, Jupyter, Zeppelin). Link to the open source project - https://github.com/FINRAOS/herd/tree/master/herd-code/herd-tools/herd-spark-data-catalogWorking with Team Members and Managers to plan, design and develop robust system using Agile Development Practices (SPRINT Planning)Experience in continuous integration and building fully automated system with reporting functionalities.Technologies Used: AWS, Java, Maven, Jenkins, SQL, Spark, Scala, Databricks, Jupyter, Zeppelin		
Technical Contractor	PROCOM, Toronto, Canada	June 2018 – Feb 2020
<ul style="list-style-type: none">Developed data pipelines in databricks and jupyter notebook for processing terabytes of stock market data.Optimized time by 70% by converting existing frameworks built in Hadoop to Spark.Built validation framework in Spark and Scala to validate accuracy of terabytes of Cloud Migrated data.Technologies Used: AWS, Java, Maven, Jenkins, Hadoop, Hive, SQL, Spark, Scala, Databricks, Jupyter		
Developer	FINRA, MD, USA	May 2016 – June 2018
<ul style="list-style-type: none">Built Regression Suite to test ETL (Extract, Transform, Load) process in FINRA.Contributed towards Cloud Migration of data from FINRA on-prem to AWS S3 using AWS EMR cluster.Developed schema check automation framework to increase accuracy of the project.Created Apples to Apples(A2A) Framework for verifying billions of stock market records stored in AWS S3 bucket.Technologies Used: AWS, Java, Maven, Hadoop, Hive, SQL		
System Engineer	Tata Consultancy Services, Mumbai, India	June 2012 – Nov 2014
<ul style="list-style-type: none">Implemented the portal for assigning tickets and changed it to automatic from manual load.Created a priority queue for faster resolution of tickets, leading to better efficiency of the portal.Contributed to the 'Valuable Knowledge Repository' in TCS knowledge hub to serve guidance in Automation.Researched and developed Proof of Concepts for Siebel Mobile Application.Technologies Used: Eclipse, Java, JUnit, Hibernate, Spring, SQL, Xcode 7, Objective C		

ADDITIONAL EXPERIENCE

- Graduate Teaching Assistant at George Mason University for Mobile Development and Object Oriented Courses.
- iOS Programmer in Hellen Kellar Institute of Disabilities for developing iPad apps for blind people.

LANGUAGES AND TECHNOLOGIES

- C++, C, Java, Objective-C, SWIFT, SQL, JUnit, Maven, Jenkins, Hive, Hadoop, Spark, Scala, Databricks, Jupyter
- Visual Studio, Microsoft SQL Server, Eclipse, IntelliJ, XCode 7, AWS cloud, Agile Development, MVC Architecture