

Asheer Tanveer

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Education

B.S in Computer Science

Brooklyn College

Fall 2012 – May 2016

Awards: Upsilon Pi Epsilon Honor Society, Dean's List

Relevant Skills: Java, Spring Boot, Python, React, Angular, JavaScript, Objective-C, AWS, ML, Keras

Work Experience

- **Senior Software Engineer** *JPMorgan Chase & Co.* *February 2021 – present*
 - Lead and implemented framework to prefill and extract data for Excel spreadsheets and Word files using Apache POI, Aspose, and Docx4J to support business with forms such as sizing a loan. Leveraged custom mapping payload defined by user and GraphQL schema definition.
 - Mentored new developers and aided with resolving blockers during sprints.
 - Implemented Datadog to monitor backend requests and capture success and failure alerts.
 - Implemented migration of legacy SharePoint documents to AWS S3 end-to-end and built React components with features such as pagination, filtering, downloading, and uploading of a new form with versioning.
 - Collaborated with a team of 8 to deploy microservices and micro frontends to AWS using EKS and Terraform resulting in a 30% reduction in infrastructure deployment time.
 - Integrated AWS SQS to share user information between microservices to ensure data consistency.
 - Wrote a Python CLI tool to create and update Oracle database schemas needed by backend services. By leveraging automation, we achieved a 20% increase in productivity.
- **Software Engineer II** *February 2020 – February 2021*
 - Built data ingestion services using Spring Batch and Java to consume data daily such as client and employee information from internal data team's APIs and Kafka topics.
 - Built Angular components for web application to render and create commercial real estate deals using Material UI.
 - Used Spring framework to create RESTful Web services and JSON objects for communication between the front-end and back-end layers.
 - Developed test classes in Junit/Mockito/Jest for unit testing, and REST Assured for integration testing.
- **Software Engineer I** *July 2017 – February 2020*
 - Built PoC and trained deep Siamese LSTM neural network using Keras to capture text similarity between phrases for finding records in multiple datasets that refer to the same entity. This led to production of an application in another team that allows intelligent search of similar companies.
 - Built PoC and deployed to internal cloud a loan-recommendation engine using unsupervised learning with clustering techniques for finding similar loan structures and comparables.
 - Developed Sqoop jobs as part of the Commercial Bank data hub team to import and store massive volumes of various internal data in HDFS and Hive via partitions.
 - Enhanced speed and optimized existing Python Ingestion Framework by developing Java library to convert csv files into parquet format to allow skipping of staging layer and writing directly to curated data layer after transformation during ETL jobs.
- **Mobile Software Engineer** *The City University of New York* *June 2015 – July 2017*
CUNYfirst MyInfo
 - Developed a native iOS and Android application which allows CUNY students to find key information about their semester including class schedules, class textbooks, grades, and financial aid.
 - Implemented using DOM parsing with JavaScript functions within respective mobile browser.

Projects

- **MeFirst** *July 2014 – July 2018*
 - Independently developed first ever iOS and Android application for CUNY students which enables convenient viewing of academic records. Reached over 1000 downloads within first week of release. Interviewed and featured in Kingsman Newspaper at Brooklyn College. Objective-C, Java.

Certifications

- AWS Certified Cloud Practitioner *December 2022*