Python / Machine Learning Engineer Python / Machine Learning Engineer Python / Machine Learning Engineer - Travelers Insurance(Claims) Work Experience Python / Machine Learning Engineer Travelers Insurance(Claims) March 2019 to Present Created object detection models with deep neural networks to detect windows on houses using Convolution Neural Network. Role & * Created character recognition models to detect handwritten digits. Contribution * Created a Chatbot to hold conversations using Rasa framework. * Ongoing project to detect and assess damages to windows using mask RCNN Data Engineer December 2018 to March 2019 Start Date Dec-2018 End Date March - 2019 * Worked on both structured and unstructured data and dealt with different data types such as numeric, date and text data and formats such as CSV, JSON, XML, etc. * Utilized Apache Spark framework with Python to develop and execute data cleaning tasks Role & * Used Spark RDD's and Hadoop Clusters for faster computations on large Contribution amounts of data which is stored in HDFS. * Used Amazon Red shift for staging data after cleaning and transforming the data. * Worked on setting up and configuring AWS EMR Clusters and Used Amazon IAM to grant fine-grained access to AWS resources for users. * Used tableau for visualization. Training Projects Project Name Data Analysis Team Size 4 Start Date Dec 2018 End Date March 2019 An online movie streaming business recorded a dip in their user base. The project Project purpose was to analyze their data recorded and create reports for management to Description make new strategic decisions. Created a dimensional model and loaded into Red shift to perform analysis. Created an end to end logical architecture using AWS to support the analysis Role & Created an end to end ETL architecture. Contribution Performed data cleaning and transformation with Glue Created queries in Athena Used Tableau to create visualization Technology & S3, Red shift, Glue and Crawlers, Athena Tools Java Developer AK OWUSU INSURANCE AGENCY May 2017 to December 2018 The purpose of the EZTAGS project was to enable residents in Riverdale, Maryland Project to be able to renew their tags, or vehicle registration and have the them delivered Description to their home. Users will interact with a web platform to accomplish this. Developed an API using spring MVC that performed crud operations on a MySQL Role & database. API returned vehicle information once the user provided the VIN

Contribution number of the vehicle. Technology & Java, Eclipse, Git, Spring Suite, Spring Boots, Spring Security, Spring JDBC, Maven, Tools SQL Skills Hadoop, Hdfs, Hive, Html, Python, Keras, Numpy, Pandas, Pyspark, Tensorflow, Ambari, Sqoop, Data architecture, Erp, Hadoop, Sql server, Mysql, Oracle, Sql, Java Additional Information Skills Summary Domain Insurance, Tech Programming Languages Python (NumPy, Pandas etc.), Java, SQL Html, CSS Operating System / ERP Version Windows, Linux TensorFlow, Keras Tools / DB / Packages / Databases - Oracle, SQL Server, MySQL Framework / ERP Components Methodologies -Agile Big Data Architecture - Hadoop Architecture PySpark, Hive, SparkSql, Sqoop, Ambari Big Data Tools Storage - HDFS, S3 Amazon - EMR, EC2. Google cloud Hardware Platforms Intel Series Project 1

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