

# Jessica Claire

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## PROFESSIONAL SUMMARY

Around 4 years total IT experience as a Python Developer and Machine learning Engineer. Extensive experience in Python Django web frame works, large file processing using shell scripts and python, building machine learning and deep learning models for natural language processing (NLP), Computer Vision and predictive models.

## SKILLS

- Python
- Tensorflow
- AWS
- Flask
- Pandas
- Bokeh and Matplotlib
- Artificial Neural Networks and Convolutional Neural Networks
- OpenCV
- H2O
- SQL
- Keras (Tensorflow backend)
- Natural Language Processing
- SkLearn
- Apache Spark (Py Spark)
- Azure Machine Learning Studio
- Computer Vison
- Scipy
- Git

## WORK HISTORY

### PYTHON DEVELOPER 12/2020 to CURRENT

#### Motion Recruitment | Carlsbad, CA

- Maintaining daily bill cycle run for Voice, Data and SMS modules for Verizon customers.
- Implement several code changes to the Python modules running Voice, Data and SMS which includes but not limited to addition of new functionalities, bug fixes and performance improvements.
- Responsible for deploying enhanced code bases into production servers in the Data centers respective to the modules.
- Team lead for project which implements billing of Phase 3 customers for Voice module, which is an additional new functionality.
- Responsible for delivering billing module of Voice Phase 3 and monitoring the testing team in testing the entire module.
- Responsible for implementing low latency SQL which does not overload the production databases as the load will be huge.
- Responsible for answering business in situations like over charge, promo not applied errors, on the development team.
- Part of team converting entire existing Java code base for data module for Verizon business customers making the entire billing module.

Environment : Python 3.6, SQL, Jenkins (CI/CD). AWS, Linux, SQLdeveloper, Java.

### MACHINE LEARNING ENGINEER 05/2017 to 11/2019

#### Viasat Inc. | Dallas, TX

- Developed machine learning model which predicts the risk of a person being affected by sepsis during visit to the hospital.
- Developed a deep neural network to predict the readmission probability of a person with in 7 days and 30 days of their visit to the hospital.
- Built a recommendation system which recommends a level of dosage of a medicine for a person affected with pneumonia, diabetes, and blood pressure using recurrent neural networks (LSTM networks).
- Developed a image recognition model using openCV and CNN, which recognizes the readings in a digital machine reading picture by isolating the digital reading from the picture.
- Experience in working with different supervised and unsupervised, machine learning algorithms.
- Experience in implementing different deep learning algorithms using network architectures like feed forward neural network, convolutional neural network, recurrent neural network.
- Experience in using openCV to achieve wide variety of computer vision tasks mostly related to but not limited to health care.
- Experience in using different machine learning libraries like Pandas, Numpy, Scikit-learn, Scipy, Tensorflow, Keras, XGBoost, NLTK, Computer vision libraries like OpenCV and imageio.
- Experience in using different data visualization libraries like Matplotlib, Seaborn and Bokeh.
- Built a resume suggestion tool which sorts and filters out the best possible candidate for a position based on the job description and the applicants resume using Natural Language Processing (NLP) techniques like Sequence labeling, Name entity recognition, part-of-speech tagging and word embeddings for internal use of our recruitment team.
- Built plugins using flask which connects the database of resumes and data of job descriptions to use with the applications.
- Built a basic UI for resume suggestion tool using Flask and integrated all the plugins for easy on non commercial use, which in turn increase the productivity of the recruitment team.
- The machine learning models which i worked on are being used in ios and android application called myHFB.

Enironment : Python, AWS, Tensorflow, Pandas, Flask, OpenCV, H2O, SQL, Keras, Kubernetes, Apache spark, Jenkins (CI/CD), Computer vision.

### PROGRAMMER ANALYST/ETL DEVELOPER 09/2016 to 03/2017

#### Tek9 Solutions | City, STATE

- Understanding the Business Requirements and Develop an ETL process to load data from source to target.
- Used transformations such as the source qualifier, normalizer, aggregators, connected & unconnected lookups, filters, sorter, stored procedures, router & sequence generator.
- Developed and scheduled Workflows using task developer, worklet designer, and workflow designer in Workflow manager and monitored the results in Workflow monitor.
- Designed and developed Informatica Mappings and Sessions based on business user requirements and business rules to load data from source flat files and sqlserver tables to target tables.
- Actively involved in gathering requirements from the end users.
- Worked with Source Analyzer, Warehouse Designer, Transformation designer, Mapping designer and Workflow Manager.
- Worked with oracle data integrator (ODI) to cover all data integration requirements for data warehouse.

Environment : SQLdeveloper, Informatica, Java, SQL, sqlserver.

## EDUCATION

**Master of Science** | Computer Information Technology 2016

**Purdue University, Hammond**

**Bachelor of Science** | Electrical And Electronics Engineering 2014

**Acharya Nagarjuna University, Guntur**

## CERTIFICATIONS

AWS Solutions Architect ( Associate Level)  
OpenCV Computer Vision Course on Pyimagesearch