**Travis Carlton**

**travis.carlton71@outlook.com Role: Python Developer**

**Professional Summary:**

* Around 6 Years of experience in Analysis, Design, Development, Management, and Implementation of various standalone and client-server enterprise Python/Django based web-applications.(Developed web-based applications using Python 2.7/2.6,Python 3 Django 1.4/1.3).
* Experienced in statistical analysis by using SAS and Python.
* Experienced in Cobol for creating interfaces for mainframes.
* Good experience in Front end development using Ajax and other web front end technologies.
* Extensive experience in Text Analytics, developing different Statistical Machine Learning, Data Mining solutions to various business problems and generating data visualizations using SAS, Python and Tableau.
* Experienced in developing web applications using Django, Pyramidframeworks.
* Analyze Business problems from data and create predictive models Using Machine learning
* Good knowledge of TLS,TCP/IP, UDP, HTTP, HTTPS, SSH and SSL protocols.
* Worked with several python packages like Numpy, Matplotlib, Scipy, PyQt, wxpython, PyTables.
* Designed and managed API system deployment using fast HTTP server and Amazon AWS architecture
* Setup database in AWS using RDS and configuring backups for S3 bucket.
* Worked no Amazon Web Services (AWS) Cloud services such as EC2, EBS, S3, VPC, Cloud Watch, and Elastic Load Balancer.
* Good working experience in using version control systems Git and GitHub.
* Good experience in working with web services like Amazon AWS EC2.
* Worked extensively with Unit testing/ Test Driven Development(TDD), and Load Testing.
* Write, maintain and improve automation scripts in Python
* Designing of Physical Data Architecture of New system engines.
* Hands on experience in implementing LDA, Naive Bayes and skilled in Random Forests, Decision Trees, Linear and Logistic Regression, SVM, Clustering, neural networks, Principle Component Analysis and good knowledge on Recommender Systems.
* Proficient in Statistical Modeling and Machine Learning techniques (Linear, Logistics, Decision Trees, Random Forest, SVM, K-Nearest Neighbors, Bayesian, XG Boost) in Forecasting/ Predictive Analytics, Segmentation methodologies, Regression based models, Hypothesis testing, Factor analysis/ PCA, Ensembles.
* Expertise in transforming business requirements into analytical models, designing algorithms, building models, developing data mining and reporting solutions that scales across massive volume of structured and unstructured data.
* Strong experience in Software Development Life Cycle (SDLC) including Requirements Analysis, Design Specification and Testing as per Cycle in both Waterfall and Agile methodologies.
* Experience and Technical proficiency in Designing, Data Modeling Online Applications, Solution Lead for Architecting Data Warehouse/Business Intelligence Applications.
* Highly skilled in using visualization tools like Tableau, ggplot2 and d3.js for creating dashboards.
* Understanding and implementation of text mining concepts,graph processing and semi structured.
* Strong analytical and problem-solving skills,always striving for new Knowledge.
* Excellent communication and interpersonal skills, ability to work independently as well as part of an integrated team.

**Technical Skills:**

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| **Scripting Programming Languages** | Java, Shell Scripting, Puppet, Scripting, Python, Bash, CSH, Ruby, PHP |
| **Databases** | RDS, Dynamo DB, Redshift Management , Oracle 11g, MySQL, MS SQL Server, HBase, Cassandra, MongoDB. |
| **Networks** | HTTP, HTTPS, FTP, UDP, TCP/TP, SNMP, SMTP |
| **Monitoring Tools** | Cloudera Manager, Solr, Ambari, Nagios, Ganglia |
| **Application Servers** | Apache Tomcat, Web Logic Server, Web Sphere |
| **Security**  **Reporting Tools** | Kerberos  Cognos, Hyperion Analyzer, OBIEE &BI+,Cloud Formation. |

**Professional Experience:**

**Python Developer**

**JP Morgan Chase - Houston, TX October 2017 to Present**

**Responsibilities**:

* Worked with various Python libraries such as Six, Click, Pandas and Matplotlib for analysis and manipulation of data.
* Designed Docker proof-of-concept using Hashicorp's Nomad and Consul.
* Used Consul for Service Discovery and to create Key-Value pair.
* Wrote Python scripts to parse JSON files and load the data into the Consul.
* Worked with SAS and Python for data analysis and visualization purpose to get a better understanding about the data.
* Migrated the SAS code to Python for the better use of python visualization and analytical models.
* Created own algorithms to predict the Tax payers behavior which will be helpful for future purpose.
* Involved in development using Python, bug fixing.
* Developed web-based applications using Python, Django, XML, CSS, HTML, DHTML.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Development of real-time multi-tasking systems using Python.
* Combination of these elements (future prediction & multi-dimensional segmentation) would enable the department to design better web platform and have a vision for the future Taxation.
* Used Python 3.X (numpy, spicy, pandas, scikit-learn, seaborn) and Spark 2.0 (PySpark, MLlib) to develop variety of models and algorithms for analytic purposes.
* Deployed GUI pages by using JSP, JSTL, HTML, DHTML, XHTML, CSS, JavaScript, and AJAX.

**Environment:** Python3.x(Scikit- Learn/Scipy/Numpy/Pandas/Matplotlib/Seaborn),SAS Spark (Pyspark, MLlib, Spark SQL), Informatica 9.0, ODS, OLTP, Oracle 10g, Hive, OLAP, DB2, Metadata, MS Excel, Rational Rose.

**Python Developer**

**Walgreens - Deerfield, IL June 2016-September 2017**

**Responsibilities**:

* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Designed and developed Use-Case, Class and Object Diagrams using UML Rational Rose for Object Oriented Analysis/Object Oriented Design techniques.
* Designed and developed data management system using MySQL. Built application logic using Python 2.6.
* Used Django APIs for database access.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Angular.js is used to build efficient backend for client web application.
* Used Python to extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP1.1, XML, XSD, XSLT etc.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on development of SQL and stored procedures on MYSQL.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce)
* Designed and developed a horizontally scalable APIs using Python Flask.
* Designed Cassandra schema for the APIs.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Used GIT for the version control.

**Environment** :Python 2.6/2.7, JavaScript, Django Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server.

**Python developer**

**HCSC - Chicago, IL September 2013-May 2016**

**Responsibilities**:

* Gathered and analyzed the requirements and converted them into User Requirement Specifications and Functional Requirement Specifications for the designers and developers to understand them as per their perspective.
* Worked on object oriented programming (OOP) concepts using Python, Django and Linux.
* Developed web-based applications using Python, Django, XML, CSS, HTML, JavaScript, Angular JS and JQuery.
* Experience with JSON based REST Web services and Amazon Web Services (AWS).
* Worked on Amazon services like Amazon Cloud EC2.
* Added support for Amazon AWS and RDS to host static/media files and the database into Amazon Cloud.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* Worked in agile and waterfall methodologies with high quality deliverables delivered on-time.
* Experience with continuous integration and automation using Jenkins.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Involved in Unit testing and Integration testing.
* Worked on AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Experience with working on multiple environments like development, testing, production. Excellent analytical and problem-solving skills and ability to work on own besides being valuable and contributing team player.

**Environment:**Python, Django 1.4, MySQL, Amazon EC2, Amazon SQS, S3, Windows, Linux HTML5/CSS3, AJAX, JQuery, JavaScript, Apache.