**Srikanth**

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**Profile Summary:**

* Over 5 years of experience in the development of applications/tools.
* Developing Web Applications using html, JavaScript and experienced in OOP’s Concepts.
* Involved in Design, Development, Testing, Automation, Enhancement and Maintenance of Applications and Tools.
* Responsible for performing Machine-learning techniques regression/classification to predict the outcomes.
* Responsible for design and development of advanced Python programs to prepare to transform and harmonize data sets in preparation for modeling.
* Developed large data sets from structured and unstructured data. Perform data mining.
* Partnered with modelers to develop data frame requirements for projects.
* Wrapper developed in Python for instantiating multi-threaded application and running with other applications. .
* Applied MVT architecture in the development of the web applications with the help of Django framework.
* Developed Views and Templates with Django to create an easily accessible website interface for users.
* Expert in writing Python modules to extract/load asset data from the MySQL source database.  Wrote and executed various MySQL database queries from Python-MySQL connector and MySQL database package.
* Used MySQL as backend database and MySQL of python as database connector to interact with MySQL server.
* Developed Python/Django application for Analytics aggregation and reporting. Used Django configuration to manage URLs and application parameters.
* Rewrite existing Python/Django module to deliver certain format of data.
* Developed scripts in Python and Excel VBA to automate the data analysis, generating statistics isolating trends in memory failures.
* Experience in Matplotlib and using scrapy and calculus in python.
* Used the Django Framework to develop the application.
* Used Python to place data into JSON files for testing Django Websites.
* Performed research, analysis, and troubleshooting to identify, resolve, and explain complex security issues to members of the company.
* Provided documentation and data collection support.
* Assisted in the evaluation and implementation of new security technologies.
* Performed mitigations required to protect critical resources.
* Updated and manipulated content and files by using python scripts. .
* Used Django configuration to manage URLs and application parameters.
* Experience in developing/consuming Web Services (REST, SOAP, JSON) and APIs (Service-oriented architectures)
* Used Python scripts to update content in the database and manipulate files.
* Generated Python Django Forms to record data of online users
* Worked in MySQL database on simple queries and writing Stored Procedures for normalization and DE normalization. .
* Used many regular expressions to match the pattern with the existing one.
* Performed Unit testing, Integration Testing, web application and automation testing.
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.

**Education:**

* **B.Tech in electrical and electronics engineering -JNTUH/Hyderabad, India-2011**
* **Masters Of Science in Computer engineering - UHCL/Houston, USA -2017**

**Technical Competencies:**

* **Languages:** Python, C, Java, SQL, C++ , HTML, CSS
* **Frameworks/ Web Tools::** Django, Rest Framework, Flask, Node.js, Bootstrap, JSON, JQuery, Java Script, AJAX, AngularJS
* **DATABASES:** MongoDB, MySQL, PostgreSQL,sqllite3
* **Tools & IDE:** Matlab, Eclipse, Pycharm, PyCharm, Atom, Eclipse, Jupyter Notebook and Sublime Text
* **Version Control:** Git (GitHub), SVN, CVS
* **OS:** Windows, Red hat, Linux

**Professional Experience:**

**Python Developer - Powellind, Houston, Texas**

May 2017 to Till Now

**Responsibilities:**

* Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery.
* Compile and analyze data, processes, and codes to troubleshoot problems and identify areas for improvement.
* Explored data, Pre-processed data, Implemented feature selections, Ran Grid Search.
* Predict the values of sales by applying machine learning algorithms using support Vector Machine (SVM) and Random Forest models.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Created machine learning models with Python and scikit-learn to predict energy usage of commercial buildings with 88% accuracy.
* Data mining, including data preparation, data cleansing, data pre-processing, and data classification and clustering.
* Improved training efficiency by implementing k-means clustering
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Implemented Classification using supervised algorithms like LogisticRegression, Decisiontrees, KNN, Naïve Bayes.
* Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework.
* Used JavaScript and JSON to update a portion of a webpage.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Responsible for debugging the project monitored on JIRA (Agile).
* Wrote Python scripts to parse JSON documents and load the data in database.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Wrote and executed various RDBMS, MYSQL database queries from Python using Python-MySQL connector and MySQLDB package.
* Was Able to integrate multiple data sources and databases into one system using sqlalchemy
* Was good at creating connections to various databases and API using corresponding library such as pymysql.
* Understanding of the threading limitations of Python, and multi-process architecture
* Good understanding of server-side templating languages (such as Jinja 2, Mako, etc)
* Refactored and Improved system throughput by decoupling services using RESTful API and loading   
  balancing by Nginx (REST API, Nginx)
* Worked on front end frame works like CSS Bootstrap for development of Web applications.
* Also, created XML with Django to be used by the Flash
* Involved in deployment of project using AWS.
* Special skills in developing user friendly, simple yet effective web-based applications.
* Worked in MySQL database on simple queries and writing Stored Procedures for normalization and DE normalization. .
* Used many regular expressions to match the pattern with the existing one.
* Performed Unit testing, Integration Testing, web application and automation testing.
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.

**Environment**: Python 2.7 & 3.5, Django 1.6.1, Selenium, HTML-5, CSS-3, XML, MySQL, JIRA, JavaScript, Backbone JS, JQuery, RDBMS, CSS Bootstrap, Mongo DB-3.2, MS SQL Server-2014, T- SQL,SAS, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting.

**Jr. Python Django Developer – AK&S Associates, Hyderabad, India**

01/2014 – 11/2015

**Responsibilities:**

* Used MySQL as backend database and MySQL of python as database connector to interact with MySQL server.
* Developed Python/Django application for Analytics aggregation and reporting. Used Django configuration to manage URLs and application parameters.
* Rewrite existing Python/Django module to deliver certain format of data.
* Developed scripts in Python and Excel VBA to automate the data analysis, generating statistics isolating trends in memory failures.
* Plans, develops, and executes vulnerability scans of organization information systems
* Ensures compliance with all applicable configuration standards
* Supports the creation of business continuity/disaster recovery plans, to include conducting disaster recovery tests, publishing test results, and making changes necessary to address deficiencies.
* Maintained the versions using GIT and sending the release notes for each release.
* Handled potential points of failure through error handling and communication of failure.
* Implemented code in Python to retrieve and manipulate data.
* Developed Wrapper in Python for instantiating multi-threaded application.
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from Python using Python-MySQL connector MySQLdb package to retrieve information.
* Creating unit test/regression test framework for working/new code.
* Development experience in python, Django and flask, have used MySQL, postgreand sqlite3.
* Experience in Matplotlib and using scrapy and calculus in python.
* Provided technical assistance for development and execution of servers and client software applications.
* Worked with technical teams for performance of necessary upgrades to client and server software.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.

**Environment:** MySQL, Python, Django, GitHub, flask, HTML, Oracle, Django, SQLAlchemy, sqlite3, CSS, Excel, SQL Server, HTML, MS Office, SQL, MySQL, Linux, Windows server,BMC,NIC

**Software Developer – Coign It ,Hyderabad, India**

06/2011 – 12/2013

**Responsibilities:**

* Used the Django Framework to develop the application.
* Used Python to place data into JSON files for testing Django Websites.
* Performed research, analysis, and troubleshooting to identify, resolve, and explain complex security issues to members of the company.
* Provided documentation and data collection support.
* Assisted in the evaluation and implementation of new security technologies.
* Performed mitigations required to protect critical resources.
* Updated and manipulated content and files by using python scripts. .
* Used Django configuration to manage URLs and application parameters.
* Experience in developing/consuming Web Services (REST, SOAP, JSON) and APIs (Service-oriented architectures)
* Used Python scripts to update content in the database and manipulate files.
* Generated Python Django Forms to record data of online users
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation
* Participated in requirement gathering and analysis phase of the project in documenting the business requirements, conducting workshops/meetings with various business users.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Used HTML, CSS, JQuery, JSON and JavaScript for front end applications.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Used Bootstrap as a mechanism to manage and organize the html page layout.
* Used Django configuration to manage URLs and application parameters.
* Built various graphs for business decision making using Python Matplotlib library.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Manage, collaborate and coordinate the work of an offshore development team.
* Worked on rebranding the existing web pages to clients according to the type of deployment.
* Worked on updating the existing clip board to have the new features as per the client requirements.
* Used many regular expressions to match the pattern with the existing one.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Worked on development of SQL and stored procedures on MYSQL.
* Analyzed performance test requirements and developed test plans and have done debugging to understand test objective requirements
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.

**Environment**: Django, Python, HTML, CSS, AWS, Agile, MYSQL, XML, JavaScript.