**Venkatesh**

**Python Developer  
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**Summary:**

* 5+ years of IT experience in design, development, testing, maintenance and documentation of Enterprise applications in Python, Java, and PHP.
* Good experience in Python in creating scalable and robust applications along with other technologies (D3, Angular, and Node JS).
* Experienced in Python based MVC frameworks - Django.
* Good knowledge in Python coding and JSON.
* Skillful experience in Python by developing software's using new tools, libraries used: libraries- Beautiful Soup, numpy, Scipy, PySide, python-twitter, matplotlib, Pickle, Pandas data-frame, urllib2, MySQL dB for database connectivity) to improvise software development process.
* Mastering in implementing MVC architecture using Django for web based applications in OOP concepts like Multi-Threading, Exception Handling and Collections.
* Proficient in developing Web Services (SOAP, RESTful) in Python using XML, JSON.
* Solid understanding in Design Patterns, MVC, Python Algorithms, Python Data Structures.
* Experience in design and development HTML5, CSS3, and (Twitter) Bootstrap.
* Good knowledge in NoSQL platform, such as MongoDB, and Couch base.
* Good understanding on Bit Bucket and GIT version control system.
* Strong knowledge with REST API development.
* Experience with Agile and SDLC methodologies.
* Good knowledge in strategy and implementation of AWS technologies such as EC2, S3, and EBS. \* Good knowledge in IDE - Visual Studio, Eclipse, PyCharm.
* Highly proficient in analytical problem solving skills.
* A motivated self-starter and well communicated team member.
* Good written and communication skills. Poses capability to interact very closely with wide range of audience such as Engineers, Scientists, Health professionals, Scientists, Professors, Clients, and Vendors.

**WORK EXPERIENCE:**

**National Grid, New York April 2017 to Present****Python Developer**

**Responsibilities:**

* Used UML Rational Rose to develop Use-case, Class and Object diagrams for OOA/OOD techniques.
* Built database Model, Views and API's using Python for interactive web based solutions.
* Placed data into JSON files using Python to test Django websites.
* Used Python scripts to update the content in database and manipulate files.
* Developed web based application using Django framework with python concepts.
* Generated Python Django forms to maintain the record of online users.
* Used Django API's to access the database.
* Involved in Python OOP code for quality, logging, monitoring, and debugging code optimization.
* Developed tools to automate some base tasks using Python, Shell scripting and XML.
* Experience in Machine learning system implementation process: generating customer data, model design, feature selection, system implementation, and evaluation
* Created Unit test/ regression test framework for working/new code.
* Developed efficient Angular.js for client web-based application.
* Developed internal auxiliary web apps using Python Flask framework with CSS/HTML framework.
* Define AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Working in team of Architects and Developers to build and deploy Python Flask Peewee Linux AWS.
* Responsible for designing, developing, testing, deploying and maintaining the web application.
* Designed and developed the UI for the website with HTML, XHTML, CSS, Java Script and AJAX.
* Used machine learning and graph analysis techniques for a variety of modeling and relevance problems.
* Researches and maintains knowledge in emerging technologies and possible application to the business
* Involved in working with Python open stock API's.
* Design, develop, and deploy engaging web applications using Python.
* Develop applications that use MongoDB database
* Wrote Python code embedded with JSON and XML to produce HTTP GET request, parsing HTML data from websites.
* Wrote Python code to simplify lists in Python with list comprehension and Python OOP. Worked with POSTMAN for API testing. Developed REST APIs, and created User Model for application.
* Developed a complete front-end application with Bootstrap.
* Developed remote integration with third party platforms by using RESTful web services.

Environments: Python, AWS, HTML, CSS, Java script, MongoDB, Linux, APIs, Git.

**JC Penney, New Jersey** **June 2015 to March 2017   
Python Developer**

**Responsibilities:**

* Maintained program libraries, users' manuals and technical documentation.
* Managed large datasets using Panda data frames and MySQL
* Wrote and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.
* Thorough knowledge in various front end tools like HTML, CSS, JavaScript, XML, JQuery, Angular JS, and AJAX. Managed large datasets using Panda data frames and MySQL.
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* Built various graphs for business decision-making using Python matplotlib library.
* Fetched twitter feeds for certain important keyword using python-twitter library
* Used Python library Beautiful Soup for web scrapping.
* Worked with JSON based REST Web services and Amazon Web services (AWS).
* Developed user interface solutions using a Django web framework. Used Python scripts to update content in the database and manipulate files
* Involved in building database Model, APIs, and Views utilizing Python technologies to build web-based applications.
* Developed interfaces using JavaScript, HTML technologies for several web applications to fetch and graphically present required data from database.
* Developed complex web, middleware, and back end systems in Python, SQL and Perl for Linux and Windows.
* Involved in the complete Software Development life cycle (SDLC) to develop application.
* Developed user interface of the web application using HTML, CSS3, and Bootstrap. Wrote custom user defined functions in JavaScript to validate application functionalities/features.
* Responsible for writing OOP code in Python for server-side scripting.
* Wrote code to support model-view-controller (MVC) pattern of Python Django framework in developing several modules for the application.

Environments/Tools used: HTML, CSS, JavaScript, MySQL, Agile methodology, SQL programming, Tableau, Python programming, and R Programming.

**Sonata Software, Chennai, India Oct 2013 to March 2015**

**Software Engineer**

Responsibilities

* Developed UI using CSS, HTML and JavaScript.
* Used HTML and CSS for UI design, JavaScript for application functionality, and MySQL for supporting database server.
* Handled Client-side validations using JavaScript.
* Designed, developed, and implemented four n-tire/multi-tier applications - three web based, and one desktop based. Developed a billing solution, a payment tracking system, and an inventory management system.
* Used CVS as version control tool.
* Responsible for writing Use Cases for admin module.
* For desktop-based application development, used Python as the development language, and Oracle as the database server. Wrote code in SQL Programming for database queries

Environments/Tools used: Python, HTML, CSS, PHP, MySQL, Agile methodology, SQL programming, and MS Visual Studio.