**Abhilash Reddy**

Python Developer

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**Summary:**

* Over 5 years of experience as a Python Developer with a deep understanding of technology trends with expertise in the core of complex technologies.
* Experienced with Django, a high-level Python Web framework.
* Proficient in Front end development experience using HTML, XML, CSS, and jQuery, JSON, JavaScript, CSS and Bootstrap.
* Experience in developing web-based applications using Python, Django Angular.js, VB, XML, CSS, HTML, DHTML, JavaScript and jQuery.
* Experienced with full Software Development Life Cycle (SDLC), architecting scalable platforms, object-oriented programming, database design and agile methodologies.
* Experience in project deployment using Jenkins and using web services like Amazon Web Services (AWS) EC2 and AWS S3.
* Experience configuring and developing with different Database servers including MySQL, MSSQL, Oracle and Mongo DB.
* Experience in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache Server, NGINX and Integrated Development Environments like PyCharm, Eclipse, MyEclipse, JDeveloper and RAD.
* Strong Knowledge of web application security and access control.
* Experience with Web Development, Web Services, Python and the Django framework.
* Excellent written and oral communication skills with results-oriented attitude.
* Highly motivated, dedicated, quick learner and have proven ability to build and manage a team and work individually.
* Experienced in working with various Python Integrated Development Environments like PyCharm, PyScripter, Spyder and Sublime Text.
* Excellent debugging, problem solving, optimization and testing skills.

**Technical Skills:**

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| **Programming Languages** | Python, Java, Shell Scripting, Django |
| **Web Technologies** | HTML, CSS, XML, DOM, AJAX, jQuery, JSON and CSS Bootstrap. |
| **Python Libraries** | Python, Django, Flask, Beautiful Soup, HTML/CSS, Bootstrap, jQuery, NumPy |
| **Webserver** | Apache HTTP webserver, WebLogic, WebSphere, JBoss and Apache Tomcat |
| **IDE** | Eclipse, Webstorm, Sublime Text, Brackets, PyCharm, Pystudio, Pyscripter. |
| **Cloud Computing** | AWS EC2, S3, RDS (MY SQL), SQS |
| **J2EE** | JDBC, JNDI, JSP and servlets |
| **Databases** | MySQL, SQLite, Cassandra, Redis and mongo DB |
| **Operating Systems** | Windows, Red Hat Linux, Mac OS |

**Education:**

* Masters in Computer Science from Silicon Valley University.

**Professional Experience:**

**Redwood Credit Union, Santa Rosa, CA**

**Python Developer | April 2022 – Present**

* Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.
* Utilized Python libraries such as NumPy, pandas and matplotlib to read data from csv files aggregate and update data.
* Implemented REST API's in Python using micro-framework like Flask with SQL Alchemy in the backend for management of data center resources on which OpenStack deployed.
* Analyzed and Designed application and created UI using JavaScript and HTML. Implemented business logic using Python/Django.
* Created most important Business Rules, which are useful for the scope of project, and needs of customers.
* Fetched twitter feeds for certain important keyword using python-twitter library.
* Used Python and Django for creating graphics, XML processing, data exchange and business logic implementation.
* Designed the architecture of the hardware environments and methodology of the code
* Worked on Jenkins continuous integration tool for deployment of project.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Design and maintain databases using Python and developed Python-based API (RESTful Web Service) using Flask and Postgre SQL.
* Created backend database T-SQL stored procedures and Jasper Reports.
* Used Python IDE PyCharm for developing the code and performing unit test.
* Develop entire frontend and backend modules using Python on Django Web Framework.
* Used Pandas library for statistics Analysis and added support for open stock.

**Environment:** Python, Django, Flask, HTML, NumPy, PyCharm, SVN, UNIX, T-SQL, JavaScript, Eclipse, Linux, Shell Scripting, RESTful, Amazon BotoPil, AWS S3, PostgreSQL, Windows

**OpenXcell, Las Vegas, NV**

**Python Developer | December 2020 – March 2022**

* Used REST based Microservices with REST template based on RESTful APIs and designed, developed the UI for the client websites by using HTML, CSS, and jQuery.
* Representation of the system in hierarchy form by defining the components, subcomponents using Python and developing a set of library functions over the system based on the user needs.
* Development of XMLs for several components which maintains data for several registers
* Development of data structures, XML parsing using Python.
* Wrote and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.
* Worked on Jenkins continuous integration tool for deployment of projects.
* Creating Python based micro services and refactoring/enhancing existing services.
* Rewrite existing Java application in Python module to deliver a certain format of data.
* 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.
* For the manipulation of data from the database, various queries using SQL were written and created a database using MySQL.
* Worked on developing internal testing tools, which were written in Python. Worked on Libraries like Pandas for data manipulation and analysis.
* Used Django framework for application development. Excellent knowledge with distributed storages (HDFS) and distributed processing.

**Environment:** Python, Django Web Framework, Linux, HTML, XML, JavaScript, jQuery, MySQL, Jenkins

**Chetu, Inc., Sunrise, FL**

**Python Developer | January 2019 - November 2020**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Involved in developing web applications and implementing Model View Control (MVC) architecture using server-side applications like Django.
* Developed multi-threaded standalone app in Python to view performance.
* Developed and evaluated technology alternatives for resolving customer business problems.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Used Python libraries and SQL queries/subqueries to create several datasets, which produced statistics, tables, charts and graphs.
* Drafted detailed design objectives and developed architectural and system design documents.
* Developed user interface of the web application using HTML, CSS. Wrote custom user defined functions in JavaScript to validate application functionalities/features.
* Involved in building database Model, APIs, and Views utilizing Python technologies to build web-based applications.
* Developed user interface solutions using a Django web framework. Used Python scripts to update content in the database and manipulate files.
* Designed UNIX Scripts to automate the verification of the information inserted in the database.

**Environment:** Python, Django, Pandas, HTML, CSS, JavaScript, AWS, jQuery, AJAX, SQL, UNIX and Windows

**Appinventiv Technology Pvt. Ltd., New York, NY**

**Software Developer (Python) | September 2016 - December 2018**

* Generated Python Django Forms to record data of online users. Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.
* Organized Python code including documentation of scripts.
* Used Django configuration to manage URLs and application parameters.
* Wrote Automation test cases using Selenium WebDriver using Python API.
* Used the Django Framework to develop the application.
* Implemented web applications in Flask and spring frameworks.
* Used the latest Video Conference Applications and worked extensively on them. Data mapping, logical data modelling, created class diagrams and ER diagrams and used SQL queries to filter data within the Oracle database.
* Updated and manipulated content and files by using Python scripts.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Performed Unit testing, Integration Testing, GUI and web application testing using Spec.
* Worked on Amazon Web Services (AWS) infrastructure with automation and configuration management.
* Responsible for search engine optimization to improve the visibility of the website. Developed Merge jobs in Python to extract and load data into MySQL database.

**Environment:** Python, Django, AWS, Flask, API, SQL, Selenium WebDriver, Oracle, XML, SQL