**N. ABHILASH**

[Abhilash1447@gmail.com](mailto:Abhilash1447@gmail.com)

**(816)281-8545**

**Python Developer.**

**Professional Summary:**

* Around 8 years of experience as a **Web/Application Developer** with good understanding of technology trends with expertise in core of complex technologies.
* experience in developing web-based applications using **python, Django, XML, CSS, HTML, Java, JavaScript, jQuery and AngularJS.**
* Extensive experience in using Bootstrap, **AJAX, JSP, JDBC**.
* Familiar with **JSON** based **Rest Web Services** and **Amazon Web services**.
* Experience in working with **Python ORM** Libraries including Django ORM.
* Involved in the development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Good experience in developing web applications implementing **MVT/MVC** architecture using **Django, Flask** and **spring web application frameworks.**
* Good experience of software development in Python (libraries used: **Beautiful Soup, NumPy, SciPy, Matplotlib, Python-twitter, Pandas data frame, MySQL DB for database connectivity**).
* Experience in analyzing and handling large database using Oracle Relational Data Architecture.
* Good experience in working with various Python Integrated Development Environments like **PyCharm, PyScripter, PyStudio, PyDev, Net Beans and Sublime Text**.
* Experience in writing **test plans, test cases, test specifications** and **test coverage**.
* Followed **Agile** and **Waterfall** Methodologies (Scrum) involved in daily stand-up meetings.
* Expert knowledge and experience in **object-oriented programming (OOP).**
* Experienced in **WAMP** (Windows, Apache, MYSQL, and Python) and **LAMP** (Linux, Apache, MySQL, and Python) Architecture.
* Experience in Testing by validations through **cyber security** and to protect the data through **OWASP** strategies.
* Proficient in developing web-based applications using **Python, Django, Flask, HTML, XML, JSON, CSS, Java Script & AJAX.**
* Experience in Increasing speed and memory efficiency by implementing code migration to convert python code to C/C++ using python.
* Extensive experience in system analysis, design, development and implementation of web based and client/server application.
* Experience with Build Automation Tool Maven for writing the **SCM Tools like Git, GitHub**.
* Build Back-end support for Application from ground up using **Python, Shell scripts & Perl**.
* Good experience in handling errors/exceptions and debugging the issues in large scale applications.

**Technical Skills:**

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| --- | --- |
| Operating Systems | Unix, Linux, Ubuntu, Solaris, Windows and MacOS |
| Programming Languages | Python, R, Machine Learning Algorithms, SAS, PL/SQL, CSS, HTML, JavaScript. |
| Databases | Oracle, MySQL, SQL Server and PostgreSQL, MongoDB |
| Tools | PL/SQL Developer, and TOAD, Spyder, Visual Studio, Tableau Analytics |
| Integration Tools | Jenkins, IBM integration and Web Builder |
| Web Server | Apache Webserver, IIS |
| Defect Tracking | JIRA, Bugzilla, and VersionOne |
| Cloud services | AWS, Microsoft Azure, GCP |

**DIRECT TV, EL SEGUNDO, CA April 2018 – Till date**

**Python Developer.**

**Description**: Worked on development of customer support and complains registration system for

Direct TV. This is a Post sales and Customer feedback and complaints management system. Responsible for monitoring and supporting a great number of technical services. Responsible for monitoring and maintenance of a relational database system.

**Responsibilities**:

* Designed and developed the User Interface for the project using HTML, CSS, JavaScript and AJAX.
* Developed views and templates with Django’s MVT (model, view and template) to create a user-friendly website.
* Worked on MVC architecture using PHP, Python as controller.
* Worked on packages like socket, REST API, Django.
* Experience in using collections in Python for manipulating and looping through different user defined objects.
* Involved in front end and utilized Bootstrap and Angular.js for page design.
* Created Business Logic using Python to create Planning and Tracking functions.
* Involved in building database Model, APIs and Views utilizing Python, to build an interactive web-based solution.
* Designed and created backend data access modules using PL/SQL stored procedures.
* Design and implemented custom Bash scripts for controlling the data flow from the PostgreSQL database.
* Wrote REST APIs, as part of developing web-based applications using Django REST framework.
* Responsible for debugging the project monitored on JIRA.
* Used Django Database API to access database objects.
* Worked with Level two support team, DBAs and infrastructure team to improve the efficiency and capacity of our system.
* Utilized Punit, the Python unit test framework, for all Python applications.
* Creating unit test/regression test framework for working/new code.
* Risk analysis for potential points of failure (database, communication points and file system errors).
* Extensive use of version controlling systems like GIT and SVN.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.

**Environment**: Python, Django, Flask, PHP, C++, HTML, CSS, jQuery, AJAX, XHTML, AngularJS, JavaScript, XML, GitHub, Flash, MYSQL, PL/SQL.

**GE HEALTH CARE, SAN ROMAN, CA Feb 2017 – Mar 2018**

**Python Developer**  
**Description:** Responsible for dealing with the interchange of data between the server and the users. The essential concentration is the development of all server-side rationale, guaranteeing superior and responsiveness to demands from the front-end and responsible for incorporating the front-end components worked by our colleagues in the application.

**Responsibilities:**

* Worked in various stage of software development life cycle includes requirements, analysis, design, development, deployment and testing of an application for business outputs.
* Worked on web application development and deployment.  - UI screens, security, logging, backend services.
* Written backend programming/routes in FLASK
* Created RESTfulservices to interact with fronted and backend.
* Designed front-end screens with HTML, CSS and Object-oriented JavaScript
* Used Gulp to compile uglify/minify and compress JS files.
* Involved in designing application system requirements and coded back-end and front-end in Python using Flask REST framework.
* Working in LINUX environment in developing the application and familiar with all its commands.
* Utilized urllib2 module to open URL, Extracted App details by parsing HTML source code using Beautiful Soup
* Used Python Library Beautiful Soup for web Scrapping to extract data for building graphs
* Working on Server-Side validations using REGEXsent response by using Json**,** by following the OWASP Strategies.
* To install the packages like gulp-bundle for Java Script through NPM
* Worked on developing web pages using JavaScript, HTML, CSS, JSON, XML**.**
* Used much Regular expressionsin order to match the pattern with the existing one.
* Used AJAX to modify small portions of the web pages by sending a request to the server avoiding the need of reloading the entire web page and for transmitting JSON data objects between frontend and controllers.
* Responsible for debugging and troubleshooting the web application.
* Used SQL Alchemy to filter the query by created models for the tables for the Database.
* Interactive in providing change requests, trouble reports and requirements collection with the client.
* Installed numerous Python packages using pip and easy install.
* Used Python requests modules like HTTP requests, response, methods.
* Unit Tested the application using PYTEST.

**Environment:** Python, Flask, HTML, CSS, JAVASCRIPT, AJAX, JSON, MYSQL, SQL Alchemy, REST APIS, Linux, Jenkins and GIT.

**BAXTER HEALTHCARE, ROUND LAKE, IL Dec 2015 - Jan 2017**

**Python Developer**

**Description**: Baxter Healthcare develops, manufactures, and markets healthcare equipment and instruments and provides services to clients. Open Data Portals are also a part of Baxter Healthcare open data initiative. There is a portal for each dataset. The portal displays the data for the Key indicators of the data set and provides the data for specific countries, regions and global. The users can make selections from various dropdowns. The portals also provide information on the latest policies, plans etc.

**Responsibilities**:

* Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices and provide guidance in making long term architectural design decisions.
* Coded model level validation using Python programming with emphasis in web security.
* Handled Business logics by backend Python programming to achieve optimal results.
* Implemented jQuery to improve the overall usability of the website interface and AJAX functionality to speed up web application.
* Developed views and templates in Django to create a user-friendly website interface.
* Configured Django to manage URLs and application parameters.
* Extensively used Python / Django Framework for developing backend of web applications.
* Used Django APIs for database access.
* Developed web services using Restful technology to support JSON and XML.
* Created new connections through applications for better access to MySQL database and involved in writing SQL & PLSQL - Stored procedures, functions, sequences, triggers, cursors, object types etc.
* Designed RabbitMQ/MongoDB pipeline for routing/storing of email bounce handling records.
* Implemented AJAX to update necessary section of webpages and hence, avoiding the need for reloading the entire web page.
* Developed and tested many features in an Agile environment using Python, Django, HTML5, CSS, JavaScript, Bootstrap.
* Creating and configuring virtual development environments with Chef and Virtual Box.
* Managed code with unit tests and GitHub.
* Developed Capistrano scripts to automate deployment on various environments.
* Used GIT as Source control repositories with regular code reviews and pull/merge requests.

**Environment:** Python 2.7, Django 1.7, CSS, HTML, Bootstrap, JavaScript, AJAX, jQuery, Pandas, MYSQL, Restful API's, Linux, Servlets, JavaBeans, SCRUM, Agile, Heroku, JIRA, GIT

**Sonata Software, Hyderabad, India Jan 2013 - Oct 2015**

**Python Developer**

**Description**: The project is to build the self-service business term search engine for the next generation data management so that it can be used for wide variety of cross-platforms within the organization.

**Responsibilities**:

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (SDLC) and used agile methodology for developing the application
* Upgraded existing UI with HTML, CSS, jQuery, and Bootstrap.
* 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 2.7.
* Used Django APIs for database access.
* Developed RESTful services using Django.
* Designed and developed communication between client and server using Secured Web services.
* Developed and tested many features for a dashboard using Python, Java, Bootstrap, CSS, JavaScript, and jQuery.
* Designed and developed data management system using MySQL. Involved in Agile Methodologies and SCRUM Process.
* Participated in the complete SDLC process.
* Create and enhanced existing automated solutions.
* Parse JSON and XML data using Python.
* Responsible for debugging and troubleshooting the web application.
* Experienced in writing indexes, views, constraints, stored procedures, triggers, cursors and user-defined functions or subroutines in MySQL.
* Utilized Subversion control tool to coordinate teamwork.
* Used Selenium Libraries to write fully functioning test automation process.

**Environment:** Python, HTML, CSS, Bootstrap, OOP, MYSQL, Java, JavaScript, jQuery, Rational Rose, Django, XML, JSON, SDLC, Agile**.**

**CGI, Hyderabad Jan 2011 – Dec 2012**

**Software Developer   
Responsibilities:**

* Participated in the complete SDLC process and used Python 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 data management system using MySQL. Built application logic using Python
* Used MYDQL for database access.
* Used Python to extract information from XML files.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on installing and setting up the channels by using **Django**. Used **Java**Script and **JSON** to update a portion of a webpage.
* Involved in gathering and analyzing system requirements.
* Performed joins, group by and other operations in MapReduce using Python.
* Followed Agile Methodologies to manage full life-cycle development of the project.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Involved in doing AGILE (SCRUM) practices and planning of sprint attending daily agile (SCRUM) meetings and SPRINT retrospective meetings to produce quality deliverables within time.

**Environment:** Python, Django Framework, JavaScript, CSS, SQL, MySQL, LAMP, jQuery, Adobe Dreamweaver, Apache web server.