**Aditya Jaladi**

**Sr. Python Developer**

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**Summary:**

* **Over 7 + Years** of experience in Analyzing, Developing, Managing and Implementing various stand-alone, client-server enterprise applications using various technologies and mapping the requirements to the systems.
* Handy experience in developing web applications by using **Python, Django, PHP, C++, XML, CSS, HTML, JavaScript** and **JQuery.**
* Good experience in developing web applications using **Python, Django, Flask, Pyramid** frameworks.
* Experience in implementing with server side technologies with restful API and MVC design patterns with **node JS and Django** framework.
* Expertise in python ORM libraries including **Django ORM**, **SQLAlchemy**
* Hands on experience in using different python libraries like **BEAUTIFUL SOUP, REST** for web Scraping.
* Proficient in **SQLite, MySQL and Postgre SQL** databases with Python.
* Expertise in using GUI Frameworks like **Jython . Pyjamas.**
* Experienced in working with various Python IDE’s using **PyCharm, PyScripter, Spyder, PyStudio and PyDev.**
* Implemented different python libraries **numpy, scipy, pytables, matplotlib, python-twitter, Pandas data frame and urllib2** in various tasks.
* Hands on experience in using NOSQL libraries like **MongoDB, Cassandra, Redis** and relational databases like **Oracle, SQLite, PostgreSQL and MYSQL databases.**
* Worked on python Testing Frameworks like **Zope, Pytest, nose and Robot Framework.**
* Developed J2EE applications on IDE's like **Eclipse, My Eclipse, Google GWT, and Rational Application Developer**
* Experienced in developing multi-threaded web services using **CherryPy & bottlePy** framework.
* Good Knowledge in writing different kinds of tests like **Unit test/Py test** and build them.
* Good working knowledge on cloud services like HD insights **AZURE, AMBARI and AMAZON EC2 and S3 bucket** web services.
* Good working experience in using Python Testing frameworks like **zope, pytest, nose and Robot framework.**
* Well versed with **Agile with SCRUM, Waterfall Model** and Test driven development methodologies.
* Experienced in writing SQL Queries, Stored procedures, functions, packages, tables, views.
* Good knowledge in **CORE JAVA and OOPS** concepts.
* Handy experience on using **Big Data Cloud Services** like **PIG, HIVE** for **Map Reducing** by which large amount of data can be easily analyzed**.**
* Experience in building applications in different operating systems like **Linux (CentOS, Debian, Ubuntu), Mac OS.**
* Good experience in handling **Git, SVN, CVS.**

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Windows 98/2000/XP/7,8, Mac OS, UNIX and Linux CentOS, Debian, Ubuntu |
| **Programming Languages** | Python, Core Java, C, Opengl, webgl |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, XML, DOM, AJAX, jQuery, JSON and Bootstrap. |
| **Frameworks** | Django, Flask, Pyramid, PyJamas, Jython, Angular JS, Node JS, Spring, Hibernate |
| **IDE** | Eclipse, webstorm, Sublime Text, Brackets, Pycharm, Pystudio, Pyscripter. |
| **Analytic Tools** | Google Analytics Fiddler, Tableau |
| **Cloud Computing** | AWS EC2, S3 Bucket, Pig, Hive, HDP Sandbox |
| **Deployment Tools** | Heroku, Amazon EC2, Jenkins and Fabric |
| **J2EE** | JDBC, JNDI, JSP and servlets |
| **Databases** | MySQL, Sqlite3, Cassandra, Redis and mongo DB |
| **Testing Tools** | Bugzilla, Jasmine, Pynit, JIRA and Junit, zope, pytest, nose, Robot |
| **Protocols** | TCP/IP, HTTP/HTTPS, SOAP |
| **Miscellaneous** | Git, SVN, CVS |

**Professional Experience:**

**Client: AECOM, Austin, TX Dec 2015 to Present**

**Role: Sr Python Developer**

**Responsibilities:**

* Actively involved in gathering the requirements and performed detailed analysis and design for various cross-functional, multi-functional applications and also performed user and acceptance testing.
* Responsible in developing several front-end and back-end modules using **Python on Django Web framework.**
* Used IDE’s like pycharm, pyscripter.
* Developed several front-end application modules using **HTML5, CSS3, AJAX, JSON and JQuery.**
* Developed views and templates in **Django** to create user-friendly website interface.
* Developed and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript and JQuery.**
* Responsible in writing backend programming in **Python 2.7.**
* Used **JavaScript and XML** to update a portion of a webpage.
* Developed consumer based features and applications using **Python and Django** in test driven Development and pair based programming.
* Performed Unit testing, Integration Testing, GUI and web application testing using **Rspec**.
* Worked on **Jenkins** continuous integration tool for deployment of project.
* Worked on front end frame works like **CSS Bootstrap** for development of Web application.
* Worked in **MySQL database** on simple queries and writing Stored Procedures for normalization.
* Organized data and statistics into a relational PostgreSQL database
* Deployed the project into **Jenkins using GIT version** control system.
* Used **Amazon Cloud EC2** along with **Amazon S3 bucket** to upload and retrieve project history.
* Used different python libraries like **MOCK, BEAUTIFUL SOUP** to perform unit testing and extract the data from the website.
* Collaborated with Product Management and User Experience experts regarding product definition, schedule, scope and project-related decisions.
* Implemented vector maps and charts on webpages using **MongoDB.**
* Made use of **PyUnit,** the python unit test framework for different python applications.
* Worked with a team of developers on python applications for RISK management.
* Took part in various stages of software development cycle which included Design, Development, Testing and Implementation and support.
* Made use of various design patterns for the effective code reuse and performance.
* Used different python libraries like **Pandas** and **Numpy** for various analysis.

**Environment: :** Python 2.7,2.5, Java 1.7, Django 1.7, 1.5, HTML5, CSS3, XML, MySQL, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Puppet MS SQL Server, Amazon s3, Jenkins, Mongo DB, T-SQL, Beautiful soup, TFS, nose, JavaScript, Eclipse, Git, GitHub, Linux.

**Client: Time Warner Cable, Fairfax, VA Jan 2014-Nov 2015**

**Role: Sr Python Developer**

**Responsibilities:**

* Analyzed system requirements, specifications and interact with the client and involved in all stages of Software Development Cycle like Planning, Analysis, Design, implementation and testing.
* Designed and developed front end of several applications using **Python, HTML, CSS, AJAX, JSON and JQuery**.
* Also took part in developing back end applications using Active records.
* Implemented several applications using **FLASK, ZOPE** frameworks.
* Develop consumer based features and applications using **Python, Django, HTML**, behavior Driven Development (**BDD**) and pair based programming.
* Worked on **Django API’s** for accessing the database.
* **MVC architecture** is implemented using Django framework to develop several web applications.
* Performed different testing methods like **unit testing, Integration testing and selenium testing.**
* Made use of various python libraries like **matplotlib** to build various graphs and charts.
* Also used python packages like **Pandas** and **numpy** for different statistical and numerical analysis.
* Used python twitter library to fetch the twitter tweets.
* Worked on different web scraping tools like **BEAUTIFUL SOUP** to parse the data from the website.
* Using **MongoDB** implemented automate scripts to back up the old records and transfer these backup files using **ftplib** library.
* Well experienced in using **Linux** shell commands and **Command Line Utiliies.**
* Performed Troubleshooting, fixed bugs and deployed many applications.
* Configured **Django** framework to manage URLs and application parameters.
* Dealt with company-wide transition from **Redis** to **Elasticsearch** for caching and catalog browsing/searching
* Performed testing using **Rspec** and **cucumber** to implement Behavior Driven Development.
* For Data Manipulation from database several queries have been written using **SQL** and created a database **MySQL.**
* Involved in Developing a Restful API'S service using Python Flask framework.
* Used **AJAX** for better user interaction and navigation.
* Used **RESTFUL web services** for data transportation between different systems.

**Environment:** Python 2.7, Selenium, Django, Java Script, HTML, XHTML, Angular JS, JQuery, JSON, AJAX, XML, CSS, IBM DB2, SQL, MySQL, Bootstrap, Restful Web Services, matplotlib library, Beautiful Soup, Jenkins, Git, GitHub, Linux, Eclipse.

**Client: Chubb Corp, Warren, NJ**  **June 2013 – Dec 2014**

**Role: Python Developer**

**Responsibilities:**

* Actively involved in various stages of Software Development Cycle like gathering requirements, configuring the system configurations during interaction with the client.
* Took part in designing, deploying, testing and maintaining the website.
* Designed and developed the **User Interface** of the website using **HTML**, **XHTML**, **AJAX**, **CSS** and **JavaScript** and **Jquery.**
* Designed and developed several front end and back end modules using **Django** web framework.
* Made use of advanced python packages like **numpy, Scipy** for various sophisticated numerical and scientific calculations.
* Designed and optimized relational database tables in **MySql.**
* Developed views and templates with **Python and Django's view controller** and templating language to createa user-friendly website interface.
* Designed and developed various applications using **Pyramid, Zope and Flask** frameworks.
* Implemented parsing of data using **XML data using XML parser** and performed testing, fixing the bugs and also modifying the code according the requirements.’
* Developed applications on several IDEs like **Eclipse, Rational Application Developer, Rational Software** **Architect.**
* Designed user friendly interface using **BOOTSTRAP** framework.
* Built various graphs using **matplotlib** package which helped in taking business decisions.
* Created database schemas which represent and support business process.
* Performed unit testing/Test Driven development, Load testing and integration testing.
* Designed and developed **Restful API** for accessing the data.
* Used web scraping python tools like **BEAUTIFUL SOUP** to extract data.
* Analyzed larger datasets using **Pandas** and visualized data using **matplotlib** python library.
* Developed several python command line programs using **argparse.**
* Good understanding and usage of NoSQL databases such as MongoDB, Data tax, Redis and Apache Cassandra.
* Performed continuous integration and automation using **Jenkins.**
* Wrote **Map reduce** programs for larger datasets where meaningful data can be retrieved.

**Environment:** Python, MySQL, JSON, REST, HTML, CSS, XML, Django framework, MongoDB, Windows.

**Client: Morrisons Management, Atlanta, GA Oct 2012 – May 2013**

**Role: Python Developer**

**Responsibilities:**

* Took part in each stage of Software Development Cycle(SDC) of getting the requirements, **design, development, system integration testing and user acceptance testing.**
* Analyzed and designed various applications using **Django** web framework.
* Wrote python scripts to parse XML documents and load the data into database.
* Developed and tested many features for dashboard using **Python, Bootstrap, CSS and javascript.**
* Built efficient, testable and reusable code for many Django modules.
* Worked on developing different internal testing tools which are written in python.
* Designed and embedded **AJAX** in **UI** in order to update small portions of a webpage so that need of reloading the entire page is avoided.
* Developed and used web services using **SOAP** to extract the data from external interface in XML format.
* Used **MongoDB** at the backend to develop an application.
* Developed small web applications using **CherryPy, Flask and Bottle** Frameworks**.**
* Worked in **AGILE** methodologies and **SCRUM** process.
* Created Unit tests and regression tests for the working/new code according to the client requirements.
* Responsible for debugging and troubleshooting web application.
* Provided security and access control for the web applications.
* Used **Pandas** and **Numpy** pythonpackagesfor data analysis
* Used **JIRA** for bug tracking and monitoring.
* Extensive code reviewing using **GitHub pull requests**, improved code quality, and also conducted meetings among peer.

**Environment:** Python, Django, HTML, CSS, XML, AJAX, MySQL, JavaScript, JQuery, CSS Bootstrap, GitHub, Linux, Pycharm, Jasper Reports, JIRA, Eclipse, Linux, Shell Scripting**.**

**Client: Sonata Software, India Feb 2011 – Sep 2012**

**Role: Python Developer**

**Responsibilities:**

* Worked on gathering the requirements and high level diesign according to the client specifications.
* Developed various modules both at the fron end and back end using **Django** web framework.
* Involved in designing user interactive web pages as the front end part of the web application using various web technologies like **HTML, JavaScript, Angular JS, JQuery, AJAX** and implemented **CSS** for better appearance and feel.
* Actively involved in developing the methods for Create, Read, Update and Delete (CRUD) in Active Record.
* Used **Numpy** forNumerical analysis.
* Made use of different frameworks like **ZOPE, TEST.**
* Implemented and modified various **SQL queries** and Functions, Cursors and Triggers as per the client requirements.
* Developed views and templates with Python and Django’s view controller and template language to create a user-friendly website interface.
* Managed code versioning with **GitHub, Bit Bucket** and deployment to staging and production servers.
* Involved in code reviews using GitHub pull requests, reducing bugs, improving code quality, and increasing knowledge sharing.
* Implemented monitoring and established best practices around using elastic search.
* Install and configuring monitoring scripts for **AWS EC2 instances**.
* Implemented code to perform CRUD operations on **MongoDB using PyMongo module**.
* Involved in analysis and design of the application features.
* Experience in debugging and troubleshooting programming related issues.
* Worked in **MySQL database** on simple queries and writing Stored Procedures for normalization.
* Deployment of the web application using the **Linux server**.

**Environment:** Python, Django, HTML, CSS, XML, KML, MySQL, JavaScript, Angular JS, JQuery, CSS Bootstrap, RESTful, MS SQL Server, MongoDB, Elastic Search, Ubuntu server, Apache CQ, TFS, Amazon s3, Jenkins, Map Box, Mongo DB, zope, pytest, Robot, GitHub, Bit Bucket, Linux, Windows.

**Client: Standard Chartered Bank, India June 2009 – Jan 2011**

**Role: Python/JAVA Developer**

**Responsibilities:**

* Involved in gathering business requirements, analyzing the project and created UML diagrams such as UseCases, Class Diagrams, Sequence Diagrams and flowcharts for the Optimization module using **Microsoft Visio.**
* Created and implemented databases using **MySql.**
* Built client pages using **HTML, JSP, XML** for the user interaction and implemented business logics using servlets and Java Beans.
* Developed python code required for the web application.
* Developed views and templates with **Django** web framework to create a better user friendly interface for the applications.
* Error handling code is written for different applications.
* Created **unit testing** of the modules created and run integration testing to test the end-to-end flow of the process developed.
* Used Eclipse **IDE** for code Development along with **GIT** Hub for managing the code.
* Responsible for Parsing **XML data using XML parser** and Testing, fixing of the bugs and coding modifications.
* Agile Methodologies are used for deploying the project.
* Developed test cases and performed unit test using **JUnit** Framework.
* Implemented various database connections using **JDBC.**
* Responsible for investigating the issues, defects, determining problem root cause, formulating correctiveaction recommendations & implementing them.

**Environment:** Python 2.7, Django 1.3, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, MySQL, JAVA J2EE, unit testing, XML, WSDL, SOAP, JAX-WS,JBoss, GIT, IDE.

**Education:** Bachelor Of Technology, Electronics And Communication Engineering, India.