Laxman Reddy

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**Professional Summary:**

* Around 7 years of IT Experience in designing, developing, testing and implementing of various stand-alone and client-server architecture based enterprise application software in Python on different domains.
* Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- Beautiful Soup, Jasy, numpy, Scipy, matplotlib, Pickle, PySide, python-twitter, Pandas dataframe, networks, urllib2, MySQL dB for database connectivity) to drive .com
* Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Zope Python web application frameworks.
* Experienced in working with various Python Integrated Development Environments like Net Beans,PyCharm, PyScripter, Spyder, PyStudio,PyDev and Sublime Text.
* Strong expertise in development of web based applications using Python, Django, HTML, XML,Angular JS, CSS, DHTML, JavaScript, JSON and JQuery.
* Good knowledge on front end frame works like CSS Bootstrap.
* Having experienced in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Sound experience in Core Java and Object Oriented Programming using concepts like Multi-Threading, Exception Handling and Collections.
* In-depth Cisco technology knowledge in design, administration, implementation and support
* In-depth knowledge of deploying and troubleshooting IP protocols.
* Good knowledge of web services with protocols SOAP, REST.
* Experienced in working with server side technologies including databases, restful API and MVC design patterns.
* Special skills in development of effective, user-friendly web applications. Experienced in requirement gathering, Use case development, Business Process flow, Business Process Modelling: extensively used UML to develop various use cases, class diagrams and sequence diagrams.
* Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity and Security and Database applications.
* Experience in analysing and handling large datasets using Oracle Relational database 9i (9.2.0.8),10g (Knowledge about setting up Python REST API Frame work using Django.Having good knowledge in using NoSQL databases like Apache Cassandra (1.2, 2.0 and 2.1) and Mongo DB (2.6, 2.4), Orient DB.
* Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku.
* Day-to- day server support for clients from our office in Midtown Manhattan.
* Build, upgrade and maintain servers on Solaris and Linux platforms.
* Write, maintain and improve automation scripts in Perl, BASH, PHP &amp; Python.
* Troubleshoot client/server application issues.
* MySQL, Postgres and Oracle maintenance.
* Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, DB2 and MySQL.
* Good knowledge in working with application server- Apache Tomcat (6.0, 7.0, 8.0).
* Experience in working with Python ORM Libraries including Django ORM.
* Expertise in working with GUI frameworks – PyJamas, Jytho
* Good idea about testing tools like Bugzilla andJIRA.
* Shares expertise throughout the organization and may provide user training for products
* Evaluates engineering approaches and risks to produce development plans that ensure high quality,low cost products and systems
* Identifies and keeps abreast of novel technical concepts and markets
* Authors technical reports, papers, articles, patents and presentations when needed
* Participates in relevant project technical reviews and audits

**Technical Skills:**

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| **Frameworks** | **Django, Zope, PyJamas, Jython, CSS Bootstrap** |
| **Web Technologies** | **HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, AngularJS.** |
| **Programming Languages** | **Python, C, PERL,SQL and PL/SQL.** |
| **J2EE Technologies** | **JSP, Java Servlets, JNDI, JDBC and JMS.** |
| **Version Control** | **SVN, CVS, Git, GitHub.** |
| **Application servers** | **Apache Tomcat, JBoss** |
| **Databases** | **Oracle (9i,10g, 11g), My SQL, Apache Cassandra, MongoDB** |
| **IDE’s/ Development Tools** | **NetBeans, Eclipse, PyCharm, PyScripter, PyStudio and Sublime Text.** |
| **Operating Systems** | **Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu.** |
| **Protocols** | **TCP/IP, HTTP/HTTPS, SOAP, SMTP** |

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**Professional Experience:**

**Client: Walgreens, Chicago, IL Role: Python Developer Sept 2017 – Till date**

**Responsibilities:**

* **Django** Framework that was used in developing web applications to implement the model view control architecture.
* Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.
* Performed efficient delivery of code based on principles of **Test Driven Development (TDD**) and continuous integration to keep in line with Agile Software Methodology principles
* Different testing methodologies like unit testing, Integration testing, web application testing
* **Selenium** testing performed.
* Lock mechanisms were implemented and the functionality of **multithreading** has been used
* **Python/Django** based web application, **Post gresql** DB and integrations with 3rd party email, messaging, storage services.
* Developed a fully automated continuous integration system using **Git**, Gerrit, **Jenkins**, MySQL and custom tools developed in **Python**and Bash
* Design and implemented custom scripts.
* Extensive use of version controller **Team Foundation Server (TFS).**
* Test and validated the custom scripts.
* Delivered automated solutions for science models
* Managed, developed and designed a dashboard control panel for customers and Administrators using Django, Oracle DB and PostgreSQL.
* Implemented configuration changes for data models.
* Maintained and updated existing automated solutions
* Handled potential points of failure through error handling and communication of failure
* Anticipated potential parts of failure( database, communication points, file system errors)
* Troubleshoot the process execution and worked with other team members to correct them.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
* 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
* Used **Pandas** library for statistics Analysis.
* Used **Numpy** for Numerical analysis for Insurance premium
* Managed large datasets using **Panda data frames** and **MySQL**.
* Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of Python code using a web browser.
* Developed the required **XML** Schema documents and implemented the framework for parsing XML documents.
* Debug of custom software running on Windows and Linux operating systems.
* Cygwin and Linux operating system knowledge
* Professional minded with the ambition to advance both the product as well as themselves.

**Environment:** Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Mongo DB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting.

**Underwriter Laboratories (UL), Chicago, IL**

**Sr. Python Developer Feb 2016 – Aug 2017**

Responsibilities:

Analyzed and gathered business requirements specifications by interacting with client and understanding business requirement specification documents.

* Developed the presentation layer using HTML, CSS, JavaScript, JQuery and AJAX.
* Used JQuery libraries for all client-side JavaScript manipulations.
* Utilized Python libraries wxPython, numPY, Twisted and matPlotLib.
* Implemented SQL Alchemy which is a python library for complete access over SQL.
* Worked on Element Tree XML API in python to parse XML documents and load the data in database.
* Skilled in collections and used for manipulating and looping through different user defined objects.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.

# Used Django configuration to manage URLs and application parameters.

# Created entire application using Python, Django, MySQL and Linux.

# Installed, configured, and managed the AWS server.

* Developed API using node.js, express JS and Mongoose.
* Build prototype for various required services such as Scheduling, Logging and Notification services using third party Node JS based JavaScript library.
* Crated report schedules, data connections, projects, groups in Tableau server.
* Maintaining Tableau reports & analysis and work on enhancements to existing reports or creating new reports based on business needs. developed different kind of reports such as sub Repots, Charts, Matrix reports, Linked reports.
* Performed Tableau type conversion functions when connected to relational data sources.
* Created incremental refreshes for data sources on Tableau Services.
* Administered user, user groups, and scheduled instances for reports in Tableau.
* Worked extensively on data Migration by using SSIS. Used different transformations lookups, condition split, row count transformation, derived column, data conversation and union all.
* Extensively used Tab admin and Tab cmd commands in creating backups and restoring backups of tableau repository.
* Added dynamic functionality to the application by implementing JQuery, Node.js.
* Modularized front end CSS and JS code with Sass. Built areal time mouse/click user analytics web service with Node.js.

**Client: Mazda, Irvine, CA**

**Role: Python Developer Nov 2014 – Dec 2015**

**Responsibilities:**

* Worked on the project from gather requirement developing the entire application, with help from other analyst.
* Used Django configuration to manage URLs and application parameters.
* Generated Python Django Forms to record data of online users
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation
* Used Python based GUI components for the front end functionality such as selection criteria.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Also used Bootstrap as a mechanism to manage and organize the html page layout.
* Used Django configuration to manage URLs and application parameters.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Involved in analyzing Business Requirement Documents and Technical Specification document and developed test plan and test cases for testing the application.
* Prepared **Test Matrix** to keep track of the requirements and the test cases.
* Identified test cases to automate. Automate those test cases using **Selenium WebDriver, Junit** and **Java technologies (Eclipse IDE)**. Contributed in framework creation.
* Extensively used **Page Objects design** and **page navigation** framework for readable test script and easy maintenance from developer perspectives.
* Developed test automation scripts using **Selenium WebDriver** for regression and performance testing of the various releases of the application.
* Performed manual testing of each build and then **regression testing** on each builds using **Selenium WebDriver.**
* Performed UI testing and front end testing using **Selenium.**
* Used **Firebug** to do web based application testing with selenium for the commands and locator application.
* Worked on **Cross Browser testing** through **Selenium WebDriver** by testing the website on different browsers like Chrome, IE and Firefox.
* Wrote **Ant build scripts** to automate the compilation and execution of **JUnit test cases/suites** for Lens Measurement screen, Lens Type Screen, Aftercare screen and two eye replication screens.
* Used **Ant** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Contributed to the **Continuous Integration** pipeline running component builds, creating and running Deployment jobs on individual stages on **Jenkins**, and running **automated** and **manual functional** tests.
* Performed Unit testing for Java applications using **Junit.**
* Performed build acceptance testing and smoke testing using **Cucumber** automation tool.
* Developed **Test Framework** in **Selenium for UI Regression Test Automation** and when necessary and potentially execute **Unit Test** automation (**Java/Junit**).
* Involved in writing unique **XPath** using **firebug and fire path to** identify web elements.
* Developed data **driven test scripts** to check the same functionality with multiple sets of data.
* Created the tests that have no user interaction as a set and executed them as Batch tests using **ANT**.
* Performed data driven testing by using JDBC as a data source in **SOAP UI** and configured SQL queries to fetch data from the Oracle database.
* Conducted **System Testing** and **User Acceptance Testing** for every client and Conducted Backend testing writing extensive **SQL queries**.;
* Performed the testing of **Restful** web services for mobile apps for the Using **SOAP UI.**
* Conducted **backend testing using SQL queries** to validate data for database and Used **SQL queries** for retrieving data from database for executing user specific test cases.
* Analyzed the business requirements, developed test plans and created test cases in **Quality center**, a test management tool.

**Environment:** Python, Django, JSON, HTML, CSS, AJAX, JQuery, Bootstrap, AWS, XML, SOAP, GitHub, Jira, Agile, SQL, PL/SQL, MYSQL, Oracle, Netezza and Windows.

**Client: Cube Info Hyderabad, India Software programmer Aug 2011 – Oct 2014**

* Used Agile Methodology and SCRUM Process.
* Worked with the Stakeholders, gathered requirements developed High level design Detail design documents.
* Developed UI using HTML, AJAX, Java script and jQuery and JQuery UI.
* Re-engineered various modules for implementing changes and creating efficient system.
* Developed rich UI web application using java script libraries like JQuery UI, data grid, Jscolor, high charts.
* Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data.
* Used MySQL as backend database and MySQL dB of python as database connector to interact with MySQL server.
* Used Restful APIs to access data from different suppliers.
* Support the scripts configuration, testing, execution, deployment and run monitoring and metering.
* Used Python and Django creating graphics, XML processing of documents, data exchange and business logic implementation between servers.
* Used Restful API's to gather network traffic data from Servers.
* Supported Apache Tomcat web server on Linux Platform.
* Developed and executed User Acceptance Testing portion of test plan.
* Debugging Software for Bugs.

**Environment:** Python 2.4, Django, C++, HTML Restful API, Mysql, Shell Scripting, PL/SQL, UNIX, Linux