**Full Stack Python Developer**

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**Summary**

* 7 years of IT experience in Analysis, Design, Development, Implementation and Testing of various stand-alone and client-server architecture based enterprise application software in Python on various domains.
* Handy experience in developing Web-Applications implementing Model View Control architecture using Django, Flask and Spring web application frameworks.
* Good experience in Shell Scripting, SQL Server, UNIX and Linux, Open stack.
* Good Experience in Object Oriented Analysis in developing Front-End and Back-End framework using various design patterns.
* Experienced in developing Web-based Applications using Python, CSS, HTML, JavaScript, Angular JS and JQuery.
* Experienced in developing Web Services with Python programming language.
* Good knowledge of Web Services with protocols SOAP, REST.
* Skilled experience in Python with using new tools and technical developments (Libraries Used: libraries - Beautiful Soup, Jasy, numpy, Scipy, matplotlib, Pickle, PySide, Pandas dataframe, networkx, urllib2, Pychart, Highcharts) to drive improvements throughout entire SDLC.
* Involved in Unit testing, Integration testing, User-Acceptance testing, and Functional testing.
* Open VMS 6.2, 7.1 & 7.2, Unix (SOLARIS), Linux, and NT systems. Performed system tuning functions and installed software on NT, Unix, and Alpha-servers.
* Expertise in working with server side technologies including databases, Restful APL and MVC design patterns.
* Responsible for Data Backups, Restores and Recovery using tape.sys software.
* Assisted in troubleshooting of VMS hardware, software and network problems.
* Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity, Security, and Database applications.
* Well versed with Design and Development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript.
* Experience in working with different operating systems Windows 98 / NT / 2000 / XP / Vista / 7 / 8, UNIX, and MAC OS X.
* Good Analytical and Problem-Solving skills and ability to work on own besides being a valuable and contributing team player.
* Practical experience with working on Multiple-Environments like Development, Testing, Production.
* Excellent Interpersonal and Communication skills, Efficient Time Management and Organization Skills, ability to handle Multiple-Tasks and work well in a Team-Environment.

**EDUCATION**

**Bachelor of Technology in Technology**, Vignan University

**ADDITIONAL INFORMATION**

**Technical Skills**

* Web - Technologies: CSS, Java Script, JQuery, HTML, AngularJS
* Programming Languages: Python, C/C++
* Analytic Tools: Adobe CQ, Google Analytics Fiddler
* Frameworks: Django
* Protocols: TCP/IP, HTTP/HTTPS
* Issue Trackers: Bugzilla, JIRA, and Crucible
* Operating Systems: Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu, and MAC OSX

**WORK EXPERIENCE**

**Role: Sr. Python Developer**

**Client: Dell Computers - Dallas, TX**

**June' 15 to Present**

**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 Postgre SQL.
* Implemented configuration changes for data models. Maintained and updated existing automated solutions
* 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.
* Used advanced packages in AON PATHWISE for performing unit test and deploying data models.
* Extensively used Python modules such as requests, urllib, and urllib2 for web crawling.
* 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.
* Responsible for user validations on client side as well as server side.
* Interacted with QA to develop test plans from high-level design documentation

**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.

**Role: Full Stack Python Developer**

**Client: United Health Group - Minneapolis, MN**

**Aug' 14 to June' 15**

**Responsibilities :**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Attend walk-thru meetings with the clients to understand the requirements.
* Extensively used Python requests module to call webservices.
* Used Jquery Ajax calls to build dynamic websites.
* Deployed Django web application in Apache webserver and carpathia cloud web deployment.
* Written numerous Django templates for page rendering.
* Build JSON objects using the framework which will be used by JavaScript to control the flow of the page.
* Resolved performance related issues using efficient coding.
* Develop dynamic webpages using HTML, CSS, JavaScript and AJAX.
* Good knowledge on Python pickles.
* Worked on Bug fixes.
* Created numerous reports using reportlab and xlrt/xlwt python packages.
* Installed numerous Python modules.
* Built dbcontext, runcontext and other python objects that's reused by application.

**Environment:** Python 2.7, Django, XML, HTML, HP Quality Center and ALM 11.0, Bugzilla, excel, QTP

**Role: Python Developer**

**Client: Capital One Bank - Richmond, VA**

**Mar' 12 to Apr' 14**

**Responsibilities:**

* Design, develop, test, deploy and maintain the website.
* 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.
* Rewrite existing Java application in Python module to deliver certain format of data.
* Wrote Python scripts to parse XML documents and load the data in database.
* Generated property list for every application dynamically using Python.
* Responsible for search engine optimization to improve the visibility of the website.
* Handled all the client side validation using JavaScript.
* Performed testing using Django's Test Module.
* Involved in AJAX driven application by invoking web services/API and parsing the JSON response.
* Used Couch base Python SDK to build applications that use Couch base Server.
* Involved in writing application level code to interact with APIs, Web Services using JSON.
* Creating unit test/regression test framework for working/new code.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.

**Environment:** Python, Django, Couch base Python SDK, PyQt, Java, MySQL, HTML, XHTML, CSS, AJAX, JSON, JavaScript, Apache Web Server, Linux.

**Role: Python Developer**

**Client: Progressive Digital Media Private Limited**

**Jan' 10 to Feb' 12**

**Responsibilities:**

* Programming in Python as well as Perl.
* Participated in the complete SDLC process.

* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Developed user interface using CSS, HTML, JavaScript and JQuery.
* Created entire application using Python, Django, MySQL and Linux.
* Designed and implemented a dedicated MYSQL database server to drive the web apps and report on daily progress.
* Used Django framework for application development.
* Wrote unit test cases for testing tools.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page.
* Improved performance by using more modularized approach and using more in built methods.
* Performed data manipulation/storage for incoming test data using lxml /etree libraries.
* Developed API modularizing existing python module with the help of pyyaml libraries.
* Designed and configured database and back end applications and programs.
* Performed research to explore and identify new technological platforms.

**Environment:** Python 2.7, Django 1.4, Puppet Rspec, Jenkins, Grafana/Graphite, MySQL, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Git, Perl, Cassandra.

**Role: Java Developer**

**Client: OSI technologies Pvt. Ltd - Pune, Maharashtra**

**Mar' 08 to Nov' 09**

**Responsibilities:**

* Involved in Requirement study, Analysis and Design.
* Designed and developed ASP. JScript, GUI for user interfaces with various Server Controls (textbox, labels, data grid, data list, validations controls)
* Developed Custom User Controls to reduce the Complexity in User Interface Coding and provide better look and feel.
* Used Java Script for validating client side data entry screens.
* Used CSS (Cascading Style Sheets) for maintaining appearance of Web Pages.
* Involved in design of the database using normalization techniques, and developed the data layer of system.
* Wrote classes for data access layer, which acts as a bridge between the business and data layers; contributed to business layer by writing business objects and validation classes.
* Efficiently involved in Focus Group Sessions at different stages of Application development to ensure optimum results.
* Developed Application on IDEs like Eclipse, Rational Application Developer, Rational Software Architect and Version control tools like Perforce P4V, CVS, SVN, Visual SourceSafe and Team foundation server.
* Developed views and templates with Python and Django's view controller and temp lating language to create a user-friendly website interface.
* Designed, developed and bundled various small financial utilities using JAVA, Hibernate, XML parser SAX which was distributed to different development teams.
* Created Connection Pools in Web Sphere and configured as needed.
* Responsible for Parsing XML data using XML parser and Testing, fixing of the bugs and coding modifications.
* Involved in writing Stored Procedures that generates the output in XML Format by using SQLXML utility.
* Job responsibilities also included creating the database objects like Tables, Indexes, and Triggers.
* Responsible for development, modification and maintenance of Invoice Management System (IMS) which is used to streamline invoice processing, tracking and reporting.

**Environment:** Java, JSP, HTML, JavaScript, ASP. JScript, GUI, XML, Web Logic, Apache Tomcat, CSS.