**Sapna**

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Present Location- SFO CA

**Summary**

* 6+ years of IT experience with proven expertise in using new tools and technical development to drive improvements throughout software development life cycle (SDLC).
* 3 years of Extensive experience in web application development using Python with Django Framework and web technologies using Object Oriented Programming (OOPS) concepts to create scalable and robust components which can be used across the whole framework.
* Experience in Application Development and Object-Oriented Programming Analysis and Design (OOAD).
* Experience in Open Source tools for Web Development.
* Experience in developing web-based applications using Python, Django, Flask and also developed web-based applications on MVC architecture
* Experienced in WAMP (Windows, Apache, MYSQL, and Python) and LAMP (Linux, Apache, MySQL, and Python) Architecture.
* Experience in working with Python packages like Numpy, Pandas, Matplotlib, SciPy.
* Experience working on Amazon Web Services (AWS), Amazon EC2 instances, Load Balancing, Amazon Dynamo DB.
* Experience in cloud environment on Amazon AWS and Microsoft Azure platforms.
* Strong knowledge and experience of AWS services like EC2, ELB, Auto-Scaling, S3, Glacier, IAM and Security Groups.
* Experience in design and development using HTML5, CSS3, and Bootstrap.
* Worked on different protocols such as Web (HTTP/HTML), Web Services (REST, SOAP)
* Experience building the python applications under the Linux Operations systems.
* Also, have experience in developing applications using the C# language and .Net frameworks.
* Experience in configuring Jenkins and integrating with GitHub and Maven using the plugins to automate build on commit.
* Experience in developing web applications front end using AngularJS, DOM, HTML5, DHTML, CSS3, Bootstrap, JavaScript frameworks, AJAX controls, jQuery, VBScript, other Scripting’s.
* Experience in developing the single page applications(SPA) using the Angular 1.x/2.x framework.
* Developed databases in the Amazon Cloud Services and in Azure cloud services.
* Advanced experience in SQL, Stored procedures, triggers and views using Microsoft SQL Server, Oracle, Teradata, MYSQL, MongoDB, Coach DB.
* Experienced in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX, Web servers like Apache HTTP server and other servers.
* Experienced in machine learning using different algorithms and data structures.
* Strongly experienced in mainly using Agile methodology (Scrum) and following the Agile Methodologies with SDLC. Also experience in the waterfall method or traditional sequential development.
* Experience in working with and administering different operating systems Windows, UNIX/LINUX and strong knowledge of Linux systems administration and operations.
* Experience in using version controls for the repository of the code, mainly using the GIT and TFS.

**TECHNICAL SKILLS:**

**Languages**  C, C++, C#, Python 2.x/3.x, Core Java, JavaScript.

**Python Frameworks** Django, Flask.

**Databases** MS SQL Server, PostgreSQL, Oracle, MongoDB, MySQL

**JavaScript Libraries** Angular JS, Bootstrap, JQuery, Node JS, Backbone JS

**Web Server** Apache HTTP, Tomcat, nginx, WebSphere, WebLogic.

**DevOps Tools** Ansible, Jenkins, Ant, Docker

**Cloud Technologies** AWS, Windows Azure

**Protocols** UDP, TCP, SMTP, DHCP, ICMP, RIP, VLAN, IPV4 and IPV6.

**Operating Systems** MS-DOS, Windows, LINUX, UNIX.

**Methodologies** Agile, Scrum, TDD, Waterfall

**IDE's/ Dev Tools** PyCharm, PyScripter, PyStudio, PyDev, Wing IDE and Spyder

**Configuration Management** GIT, GITHUB, SVN

**PROFESSIONAL SUMMARY:**

**Client: Walgreens Co, Deerfield, IL. Oct 2017 - Present**

**Python Developer**

**Responsibilities:**

* Used Python, Jenkins, batch and shell scripts for automating the Build Process, which involves several external and internal tools including Doxygen, ePublisher, PDF LaTeX
* Implemented a CI-CD (Continuous Integration and Continuous Deployment) pipeline using Jenkins and enabled one-click deployments.
* Worked simultaneously with different onsite and offshore teams in an agile environment
* Worked on the project from the beginning to the end as the primary contributor, including requirement gathering, developing scripts, setting up build environment, architecting the pipeline, integrating with Jenkins and VCS, testing, and knowledge transfer to the users
* Restructuring, refactoring and rewriting the existing code and writing new code using OOP concepts and PEP-8 guidelines to automate several time-consuming tasks
* Used open source Python libraries to parse several XML, HTML and XLSX documents and generated reports based on complicated logic.
* Experience object-oriented programming (OOP) concepts using Python, C++ and java.
* Experience in Open Source tools for Web Development upon Angular JS, Bootstrap, Mongo DB.
* Used the xlrd library to create and parse Excel files for configuration of builds, so that the configurations can be easily maintained using both GUI tools like Excel and programmatically with Python scripts
* Developed scripts that run on both windows and linux machines, and accept both command line arguments as well as raw input (from user/shell prompts)
* Reduced several man hours per week (in build time) by automation that runs over-night with multiple configurations and saves detailed logs/reports
* Configured Jenkins to run nightly builds on multiple Linux and Windows nodes/slaves simultaneously invoking scripts with custom arguments and parameters
* Triggered builds from schedules, gerrit updates, and commits to git repos
* Saved the outputs, logs and artifacts for testing and review with retention and cleanup policies to save disk and resource usage on the nodes
* Created multiple pipelines for deploying to staging and production area.

**Environment:** Python 2.7, 3.5, Jenkins, Linux, Windows, JIRA, Gerrit, Git, Perforce, Agile/Scrum, Umber

**Client: Veritas Technologies, Roseville, MN Feb 2017 – Sep 2017**

**Python Developer**

**Responsibilities:**

* Gathered and analyzed the requirements and converted them into User Requirement Specifications and Functional Requirement Specifications for the designers and developers to understand them as per their perspective.
* Worked on object-oriented programming (OOP) concepts using Python, Django and Linux.
* Developed web-based applications using Python, Django, XML, CSS, HTML, JavaScript, Angular JS and jQuery.
* Experience with JSON based REST Web services and Amazon Web Services (AWS).
* Worked on Amazon services like Amazon Cloud EC2**.**
* Added support for Amazon AWS and RDS to host static/media files and the database into Amazon Cloud.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors**,** andFunctions onMySQLand PostgreSQL database.
* Worked in agile and waterfall methodologies with high quality deliverables delivered on-time.
* Experience with continuous integration and automation using Jenkins.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Developed the requiredXMLSchema documents and implemented the framework for parsing XML documents.
* Involved in Unit testing and Integration testing.
* Worked on AJAX framework to transform Datasets and Data tables into HTTP**-**serializableJSON strings.
* Designed Interface using Bootstrap framework.
* Practical experience with working on multiple environments like development, testing, production.
* Excellent analytical and problem-solving skills and ability to work on own besides being valuable and contributing team player.

**Environment**: Python, Django, REST Web services, XML, CSS, HTTP, Ajax, AngularJS, Bootstrap, JSON, HTML, CSS, JavaScript, jQuery, AWS EC2, Triggers, Cursors, MySQL and PostgreSQL database, Amazon Cloud EC2, Amazon Web Services (AWS).

**Client: CPIC, Tallahassee, FL. Aug 2016 –Dec 2017**

**Python Developer**

**Responsibilities:**

* Developed a Python automated testing framework which can send, receive messages, test various interfaces including REST APIs. It is primarily used to do integration testing as it can create an order, route it out, get fills and generate success or error reports and can send it over thru FTP or email.
* Highly involved in development of application to automate the generation of Electronic Quarterly Reports for FERC using Django.
* Developed RESTful web services for remote integration with third party platforms using Django Rest Framework and integrating with Apache servers on Linux with wsgi
* Built various graphs for business decision making using Python’s matplotlib library
* Develop applications that use MongoDB database with pymongo.
* Actively participated in the meetings with business in understanding the requirement
* Wrote Python code embedded with JSON and XML to produce HTTP GET request, parsing HTML data from other websites.
* Hosted static/media content in Amazon S3 for high availability, real-time scaling and cost reduction. Backed up content to Glacier for recovery
* Configured Auto Scaling policies and Elastic Load Balancers in AWS to improve performance
* Worked with IAM Groups and Users and created roles to assign permissions in AWS
* Configured Jenkins and integrated with git repository and Maven using plugins to automate the build process for Java teams
* Worked with git repositories, and wrote git hooks and post-commit scripts to enable Jenkins build-on-commit and customized build status notifications
* Used Python scripts to update content in the database and manipulate files.
* Actively participated and involved in daily Scrum meetings, sprint planning and sprint review
* Developed various Python scripts to find vulnerabilities with SQL Queries by doing SQL injection, permission checks and performance analysis.
* Authored and maintained automation scripts in Python, Bash and PowerShell
* Followed Agile methodology using Jira as a tracking tool

**Environment:** Python 3.5, Django 1.4, MongoDB, MS SQL Server, AWS, HTML5, CSS3, JS, Jenkins, REST, Java, Informatica BO Reports, JIRA, Git, Agile/Scrum, Linux

**JP Morgan Chase, DE Jan 2015 – Jul 2016**

**Python Programmer**

**Responsibilities:**

* Design, develop, test, deploy and maintain the website.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript
* Designed and developed data management system using MySQL.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Used Django Database API's to access database objects.
* Wrote python scripts to parse XML documents and load the data in database.
* Python/Bash Scripting for automation and monitoring system processes.
* Handled all the client-side validation using JavaScript.
* Extensively used jQuery in conjunction with angular, angular lite to create components.
* Used angular JS to develop the page level components and customized (Angular directives, services & factories) the out of box directives for additional functionalities.
* Developing User Interfaces, Web Services (Rest APIs) using the technologies HTML, Java Script, JQuery, AJAX, Perl, Python, CGI, PHP etc.
* Developed automated testing framework for command-line based tests on Linux using Objected Oriented Perl and for selenium-based tests using Python.
* Worked extensively with Bootstrap, JavaScript, and jQuery to optimize the user experience.
* Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different we request from multiple browsers to web application.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Created unit and functional test cases through use of testing tools such as Python and Bash.
* Performed automated testing services in collaboration with testing engineers team.
* Responsible for debugging the project monitored on JIRA (Agile).
* Used jQuery for all client-side JavaScript manipulation.

**Environment:** Python2.7, Django1.3, jQuery, MySQL, Oracle11.2, Linux, ML, XHTML, SVN, CSS, AJAX, Bugzilla, PERL, JavaScript, Angular JS, Django, Apache Web Sever.

**Client: Introsoft Tech, Hyderabad, India. Mar 2012 – Dec 2014**

**Role: Software Engineer**

**Responsibilities:**

* Involved in developing UI pages using HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax
* Involved in writing test cases using JUNIT
* Involved in developing HTML and JavaScript for client-side presentation and data validation on the client side with in the forms
* Created Servlets and Beans to implement Business Logic.
* Created database access layer using JDBC and PL/SQL stored procedures.
* Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for Oracle Database.
* Developed test plans and procedures from the requirement and specification documents.
* Worked on Java based connectivity of client requirement on JDBC connection.
* Used data types like dictionaries, tuples and object-oriented concepts-based inheritance features for making complex algorithms of networks.
* Involved in peer code reviews and performed integration testing of the modules.

**Environment:** Java, Servlets, JDBC, HTML, CSS, JavaScript, jQuery, JSON, XML, PL/SQL, SQL, Ajax, web services, JUNIT