**Sanjay J**

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**Professional Summary:**

* Over 8+ years of IT experience as a Web/Application Developer and coding with analytical programming using Python, DJango, Java and Various JavaScript frameworks (Angular JS, Angular2, Angular4, TypeScript, Node JS, NPM, React JS, Redux, BackBone Js, Knockout JS, D3.JS, Vue.JS, JQuery, Ember JS and Ext JS).
* Expertise in creating Scrum stories, Agile Methodologies, Sprints experience in Python based environment, along with data analytics, Excel data extracts and data wrangling.
* Experience in all phases of Software Development Life Cycle (SDLC), which includes Requirements Specification, Design documents, Integration, Documentation and writing Test cases using various software engineering process ranging from Waterfall to Agile methodology.
* Experience with Python Libraries/Packages such as HTTPLib2, Urllib2, Beautiful Soup, Py Query, Numpy, Scipy, Pickle, PyQT, PySide, wxPython, PyTables, DataFrames, SQLAlchemy, Twisted, Pygame, pyGtk, Pandas and Matplotlib.
* Experienced in using Integrated Development Environment (IDEs) in PyDev, PyScripter, Pycharm, Spider, Python IDLE, Brackets, Eclipse, JBuilder, Jdeveloper, Eric, Komodo Edit, Komodo IDE, Cloud9 IDE, DrPython and NetBeans for debugging and also worked with SublimeText2, EditPlus, Notepad++, VimEditors for coding.
* Experience using python libraries for machine learning like pandas, numpy, matplotlib, sklearn, scipy to Loading the dataset, summarizing the dataset, visualizing the dataset, evaluating some algorithms and making some predictions
* Good experience in working with Python, DJango, Zope, Bottle, Swagger, Pyramid/Turbogears, Pylons, Flask, Web2py, Gunicorn, Totnado, CherryPy, Spring Frameworks for developing backend of web applications.
* Experienced in LAMP (Linux, Apache, MySQL and Python/PHP), WAMP (Windows, Apache, MySQL, Python/PHP) architecture and MVC struts.
* Experience in writing playbooks for Ansible and deploying applications using Ansible.
* Expertise in Amazon Web Services (AWS) Cloud Platform which includes services like EC2, S3, VPC, ELB, IAM, Glacier, Aurora, RDS, DynamoDB, Cloud Front, Cloud Watch, Route 53, Elastic Beanstalk (EBS), AutoScaling, Security Groups, EC2 Container Service (ECS), Code Commit, Code Pipeline, CodeBuild, Code Deploy, Dynamo DB, Auto Scaling, Security Groups, Red shift, CloudWatch, CloudFormation, CloudTrail, OpsWorks, Kinesis, IAM, SQS, SNS, SES.
* Experience in developing RESTful API's using Django REST Framework, consumed via Rectangular, a 3rd party Angular.JS service.
* Experience in Implementation of MVC/ MVW architecture using Servlet, Django, and RESTful, SOAPwebservice and SOAPUI.
* Hands-on experience in developing web applications and RESTful web services and APIs using Python Flask, Django and PHP.
* Experience in Web development with Python and Django, with good understanding of ORM and SQLAlchemy, SQL, ETL, Bash/Linux, Asynchronous task queues with Celery and RabbitMQ.
* Expertise in designing rich Graphic User Interface(GUI)/Single Page Applications (SPAs) and frontend layouts on the web using CSS, HTML, XML, DHTML, JavaScript, JSON, AJAX, XSLT, XAML and JQuery, Bootstrap, Node.js, Angular.js, Angular2, Angular4, TypeScript, React JS, backbone.js, Require.js.
* Experienced in SQL and PL/SQL programming, developing complex code units, database triggers and using the latest features to optimize performance (Global Temporary Tables, Inline views, Materialized views and Bulk Binds).
* Proficient in developing multi-threaded web services using CherryPy & BottlePy framework.
* Leveraging queuing architectures with RabbitMQ for scalability, performance and building.
* Experienced with databases using ORMs/DOMs for integrating with MySQL, PL/SQL, MongoDB, Oracle 12c/11g/10g/9i, SQL Server, MSSQL, PostgreSQL, CouchDB, DynamoDB, Redis, RDS, Aurora, Redshift, Cassandra and SQLite. Also, experienced with writing custom queries through database connectors.
* Experience in relational databases like Oracle 12c/11g/10g/9i/8i, MS SQL server, developing PL/SQL packages, Stored Procedures, Functions, Views, Indexes, Triggers, XML join, user defined data types and other complex queries.
* Contributed in migrating data from Oracle database to ApacheCassandra ( NoSQL database) using SSTableloader.
* In-depth understanding of MongoDB HAstrategies, including Replicasets and Sharding
* Good knowledge in developing the required XML Schema documents and implemented the framework for parsing XML documents.
* Excellent Experience and knowledge in using XML, SOAP, web Service for inter operable software applications.
* Well experience in Data Extraction, Transforming and Loading (ETL) using various tools such as SQL Server Integration Services (SSIS), Data Transformation Services (DTS).
* Knowledge of advanced level programming in C/C++ including thread synchronization multithreading, multi-processing, concurrency and TCP/IP Socket Programming.
* Strong Experience in working with Python ORM Libraries including Django ORM, SQL Alchemy.
* Have experience on Kubernetes and Docker Container for runtime environment of system to build, test & deploy
* Having hands experience on JSON modules of python to call web service to handle the multi-processing created a celery tasks with the help of message broker RabbitMQ.
* Good knowledge in Open Systems Interconnection (OSI) model layers from Application Layer (L7) to Physical Layer (L1).
* Good familiarity with Networking Technologies/Protocal like TCP/IP, UDP, FTP, DNS, LDAP, Network Manager, and DHCP. Performed configuration of standard Linux and network protocols, such as SMTP, DHCP, DNS, LDAP, NFS, SMTP, HTTP, and others.
* Proficient with Apache Web Server 2.0, NginX, Tomcat, Web Logic, JBoss servers, MySQL 5, CVS, UNIX Shell Script, Firefox 3.5, IE 6 Browser Compatibility Issues, IIS and Linux.
* Experience in using various Application Servers and Web Servers such as Tomcat, WebLogic and IBM HTTP.
* Experienced in Version controls using Git, SVN/Subversion, Perforce, Team Foundation Server, Rational ClearCase, SCM, CVS and GitHub.
* Expertise in Continuous Integration of applications using various Integration tools such as Jenkins, Hudson, TeamCity, CruiseControl, Bamboo, Bitbucket, TFS…etc
* Experience in programming languages like C/Embedded C, C++, Data structures and proprietary RTOS.
* Hands-on experience in working with the Build Tools such as Apache Ant, Apache Maven, Gradle, Grunt, Gulp, WebPack, MSBuild, Nant, Rake, Make…etc
* Experienced in Test Driven Development using Python, coordinating test effort, creating test conditions, test cases.
* Experience in writing functional/unit Rspec tests using TDD/BDD/ATDD built base test framework around mobile site.
* Expertise in developing applications using Java, J2EE Technologies (JDBC, Servlets, JSP, Java Web Services, EJB, Struts, Spring, Hibernate), Spring Core, Spring Boot, MicroServices, Swings, Classes, JDK, Java Applets, JDBC, XML, JavaScript, HTML, DHTML, CSS, SOAP, Rest, Restful.
* Experienced in various types of testing such as Unit testing, Integration testing, Functional testing and User acceptance testing.
* Expertise in Testing of Python applications using different Automation Testing tools such as Selenium/Selenium WebDriver/Selenium IDE/Selenium RC/Selenium Grid, PyTest, Robot, NoseTest, Cucumber, Karma, Jasmine, Junit, Qunit, JMeter, SoapUI, Sancho, SubUnit, Testify, Grail…etc
* Extensive knowledge on automated batch programs by Linux/UNIX shell Scripts (such as file download, file Validation, assign permissions and workflow executions).
* Experience with virtualization tools, used for supporting and hosting OIM Components, such as Oracle Virtual Box, VMware Workstation, Oracle VM Server and VMware vSphere.
* Have the ability to understand complex systems and be in command of the details to provide solutions. Maintained detailed documentation and architectural solutions in IT infrastructure and sales systems.
* Excellent communication and interpersonal skills with ability to interact with individuals at all levels and can work as a part of team as well as independently.

**Technical Skills:**

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| *Programming Languages* | Python, JAVA, C#, C |
| *Scripting Languages* | Scala, Shell Script (Bash, ZSH, KSH), Unix |
| *Query Languages* | SQL, PL/SQL, HQL |
| *Operating Systems* | Windows Vista/XP/7/8/10, Linux, Unix, OS X |
| Python Libraries/Packages | HTTPLib2, Urllib2, Beautiful Soup, Py Query, Numpy, Scipy, Pickle, PyQT, PySide, wxPython, PyTables, DataFrames, SQLAlchemy, Twisted, Pygame, pyGtk, Pandas, Matplotlib |
| *AWS Services* | EC2, S3, VPC, ELB, IAM, Glacier, Aurora, RDS, DynamoDB, Cloud Front, Cloud Watch, Route 53, Elastic Beanstalk (EBS), AutoScaling, Security Groups, EC2 Container Service (ECS), Code Commit, Code Pipeline, CodeBuild, Code Deploy, Dynamo DB, Auto Scaling, Security Groups, Red shift, CloudWatch, CloudFormation, CloudTrail, OpsWorks, Kinesis, IAM, SQS, SNS, SES |
| *Web Development* | CSS, HTML, XML, DHTML, JavaScript, JSON, AJAX, XSLT, XAML and Angular JS, Angular2, Angular4, TypeScript, Node JS, NPM, React JS, Redux, BackBone Js, Knockout JS, D3.JS, Vue.JS, JQuery, Ember JS, Ext JS |
| *WebServers* | WebSphere, WebLogic, Apache, Gunicorn |
| *PythonFramework* | DJango, Zope, Bottle, Swagger, Pyramid/Turbogears, Pylons, Flask, Web2py, Gunicorn, Totnado, CherryPy, Spring |
| *BugTrackingTools* | Jira, Bugzilla, Junit, gdb |
| *Databases* | Oracle 12c/11g/10g/9i, MySQL, SQL Server, MSSQL, PostgreSQL, MongoDB, CouchDB, DynamoDB, Cassandra, Redis, RDS, Aurora, Redshift |
| *Servers* | Apache Web Server 2.0, NginX, Tomcat, JBoss, WebLogic |
| *Cloud Computing* | Amazon Web Services (AWS), Heroku, Google Cloud, Microsoft Azure |
| *Methodologies* | Agile, Scrum, Waterfall, TDD, ATDD, BDD |
| *IDEs* | PyDev, PyScripter, Pycharm, Spider, Python IDLE, Brackets, Eclipse, JBuilder, Jdeveloper, Eric, Komodo Edit, Komodo IDE, Cloud9 IDE, DrPython and NetBeans |
| *Version Controls* | Git, SVN/Subversion, Perforce, Team Foundation Server, Rational ClearCase, SCM, CVS, GitHub |
| *Build Tools* | Apache Ant, Apache Maven, Gradle, Grunt, Gulp, WebPack, MSBuild, Nant, Rake, Make |
| *Continuous Integration Tools* | Jenkins, Hudson, TeamCity, CruiseControl, Bamboo, Bitbucket, TFS |
| *Virtualization* | VMware Workstation, virtual Box |
| *Design Patterns* | MVC, Front Controller, Session Facade, IOC, Singleton, Data Access Object, Business Delegate |
| *Architectures* | LAMP, WAMP |
| *Java Technologies* | JDBC, Servlets, JSP, Java Web Services, EJB, Struts, Spring, Hibernate, Spring Core, Spring Boot, MicroServices, Swings, Classes, JDK, Java Applets, JDBC, XML, JavaScript, HTML, DHTML, CSS, SOAP, Rest, Restful. |
| *Networking Technologies* | TCP/IP, UDP, FTP, DNS, LDAP, SMTP, DHCP, DNS, LDAP, NFS, SMTP, HTTP |
| *Testing Tools* | Selenium/Selenium WebDriver/ Selenium IDE/ Selenium RC/ Selenium Grid, PyTest, Robot, NoseTest, Cucumber, Karma, Jasmine, Junit, Qunit, JMeter, SoapUI, Sancho, SubUnit, Testify, Grail |

**Professional Experience:**

**Client: Luxoft USA Inc, New York Dur: Jan 17 – Till date**

**Sr. Python Developer**

**Responsibilities:**

* Exposed to various phases of Software Development Life Cycle using Agile – Scrum Software development methodology.
* Implemented Design Patterns like Singleton, Factory, Template and DAO patterns.
* Selecting appropriate AWS services to design and deploy an application based on given requirements
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Node.js, Python, Ruby, and Docker on familiar servers such as Apache, and IIS.
* Developed strategy to migrate Dev/Test/Production from an enterprise VMware infrastructure to the IaaS Amazon Web Services (AWS) Cloud environment including runbook processes and procedures.
* Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into AmazonCloud.
* Coded various business process methods required for creation of Web Services related to customer information and provider information, using JAX-WS, SOAP, WSDL and JAX-RS, REST web services.
* Worked with Requests, Pysftp, Gnupg, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup and Pandas python libraries during development lifecycle
* Created Data tables utilizing PyQt to display patient and policy information and add, delete, update patient records.
* Developed high-performance distributed queueing system. Scala, Redis, Akka, closure, MQ messaging, Json Developed new functionality for interactive healthcare system.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.
* Implemented presentation layer using CSS framework, NodeJS, AngularJS, Angular2, Angular4, Wire-Framing and HTML5.
* Responsible for setting up AngularJS framework for UI development. Developed html views with HTML5, CSS3, JSON and AngularJS, Angular2, Angular4, Adobe flash.
* Used Ansible for automating cloud deployment process.
* Created new JSP views to incorporate backend functionality to display on the UI screens using client rich technologies like JQuery, JavaScript, HTML, CSS files.
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Python/Django based web application, PostgreSQLDB, and integrations with 3rd party email, messaging, storage services.
* Developed Restful API's using Python Flask and SQLAlchemy data models as well as ensured code quality by writing unit tests using Pytest.
* Job scheduling, batch-job scheduling, process control, forking and cloning of jobs and checking the status of the jobs using shellscripting.
* Worked on PythonOpenStack APIs and used Numpy for Numerical analysis.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.
* Involved in deployment using Docker Container on AWS.
* Involved in configured DNS, DHCP, Active Directory, with strong focus on Domain Controller maintenance including Windows Server.
* Developed Restful API's using Python Flask and SQLAlchemy data models as well as
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, OracleDB, PostgreSQL, and VMWareAPI calls.
* Developed a fully automated continuous integration system using Git, MySQL, Jenkins, and custom tools developed in Python.
* Managed datasets using Panda data frames and MySQL, queried MySQL database queries from Python using Python -MySQL connector MySQLdb package to retrieve information.
* Develop consumer based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair based programming.
* Designed and developed integration methodologies between client web portals and existing software infrastructure using SOAP API's and vendor specific frameworks.
* Designed, developed, implemented, and maintained solutions for using Docker, Jenkins, Git, and Puppet for micro services and continuous deployment.
* Utilized PyUnit, the Python Unit test framework, for all Python applications and used Django Database API's to access database objects.
* Used JIRA for bug tracking and issue tracking and added several options to the application to choose particular algorithm for data and address generation.
* Implemented Log4j mechanism for logging at different modules within the application.
* Implemented Test Driven development (TDD) using frameworks like Junit, Mockito and Easy mock.

Environment: Linux, Windows, AWS, EC2, VPC, Glacier, RDS, Aurora, SQLAlchemy, Docker, Angular JS, Angular2, Angular4, Node JS, Python 3.5, Django 1.7, CSS, HTML, JavaScript, Redis, RabbitMQ, Bootstrap, AJAX, JQuery, Pandas, SOAP, Rest, PyUnit, PostGreSQL, Shell Script, MySQL, Servlets, Agile, Enterprise Scheduler, Bitvise SSH Client, Scrum, Heroku, JIRA, GIT.

**Client: Bank of America ,San Francisco ,CA Dur: May 16- Jan 17**

**Sr. Python Developer**

**Responsibilities: -**

* Exposed to Software Development Life Cycle (Scrum) following agile methodology.
* Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices and provide guidance in making long term architectural design decisions.
* Designed, developed and tested new Python tools for Asset liability management (ALM) programs to manage the market risks of traditional life insurance products, variable and fixed annuities, and macro-economic risks that the enterprise faces.
* Implemented full life cycle development of new web applications and modification of existing applications to add new components and features emphasizing maintainability, reliability, scalability and performance.
* Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Used MVT pattern to encapsulate client/server interactions helps to illustrate software-pattern roles as well as developer roles by separating object, components, and services into multi-tiers with well-defined boundaries.
* Designed, configured and deployed Amazon Web Services (AWS) for a multitude of applications utilizing the Amazon Web Services (AWS) focusing on high-availability, fault tolerance and auto-scaling.
* Developed a Python application for benchmarking different components of computer system such as CPU/GPU, Disk/Memory and Network in the Amazon EC2 instances and evaluated its performance.
* Gathering user requirements and designing Database accordingly which involves creating Logical Data Tables and Visualization.
* Used Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks.
* Worked on Element Tree XML API in Python to parse XML documents and load data into database and also from database to XML documents.
* Designed and developed integration methodologies between client web portals and existing software infrastructure using SOAP API's and vendor specific frameworks.
* Developed views and templates with Python and Django view controller and template language to create a user-friendly website interface.
* Used Docker plugins to setup Docker containers for build slave for Jenkins.
* Created numerous Django apps and extensively used Django Session and authentication management.
* Created new connections through applications for better access to MySQL database and involved in writing several SQL/PLSQL –functions, sequences, stored procedures, triggers, cursors and object types.
* Created Server instances on AWS and installed Swagger for deploying Microservices.
* Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask, SQLAlchemy and PostgreSQL.
* Designed and developed data management system using MySQL and wrote several queries to extract/store data.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and Python libraries.
* Develop consumer based features and applications using Django, HTML, Python Behavior Driven Development (BDD) and pair based programming.
* 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 and Rspec.
* Used numerous JQuery third party libraries in Django framework- feedback plugin, photo light, social-likes, jQuery tables, slick grid and google charts.
* Implemented LDAP authentication using device to integrate with an in-place web seal/TAM infrastructure.
* Implemented and enhanced CRUD operations for the applications using the MVC architecture of Django framework and also conducted code reviews.
* Wrote script to generate IP address from CIDR and write into JSON files and assign them to virtual machine while cloning.
* Built task monitoring script to monitor various tasks such as power-on a virtual machine after cloning, clone virtual machine and reboot virtual machine using pyvmomi.
* Analyzed existing complex systems to understand and document data elements, relationships, data flows, dependencies and related interfaces.
* This project also used other technologies like JQuery for JavaScript manipulations, bootstrap for the front-end html layout.
* Understood the project scope, identified activities/ tasks, task level estimates, schedule, dependencies, risks and provided inputs to Module Lead for review.

**Environment:** Linux, Windows, Python 3.4, Django 1.8, AWS, Docker, Jenkins, Ajax, HTML5, CSS, Bootstrap, MySQL, SQLAlchemy, SQL, PLSQL, PostgreSQL, XML, Redis, RabbitMQ, Heroku, JavaScript, JQuery, JSP, JSON, Restful API, MVC architecture, AWS EC2, GitHub, Rspec, Cucumber, Swagger.

**Client: Humana, Louisville, KY Dur: Aug 14-April 16**

**Python Developer**

Responsibilities:

* Created APIs, database Model and Views Utilization Python in order to build responsive web page application.
* 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.
* Wrote and executed various MySQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the CSS, HTML, JavaScript, and JQuery.
* Python/Django based web application, PostgreSQLDB, 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.
* Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of Python code using a web browser.
* Added support for Apache web server and RDS to host static/media files and the database into Amazon Cloud.
* Involved in design, implementation and modifying the Python code and MySQL database schema on-the back end.
* Developed user friendly and sophisticated graphical representation of the catalogue of items that would be configured for a piece of equipment.
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Generating various capacity planning reports (graphical) using Python packages like Numpy, matplotlib.
* Automated different workflows, which are initiated manually with Python scripts and UNIX shell scripting.
* Python Object Oriented Design code for manufacturing quality, monitoring, logging, and debugging code optimization.
* Carried out various mathematical operations for calculation purpose using python libraries.
* Built various graphs for business decision making using Python matplotlib library.
* Fetched twitter feeds for certain important keyword using python-twitter library.
* Used Python library Beautiful Soup for web scrapping to extract data for building graphs.
* Job scheduling, batch-job scheduling, process control, forking and cloning of jobs and checking the status of the jobs using shell scripting.
* Monitoring Python scripts run as daemons in the UNIX/Linux system background to collect trigger and feed arrival information. Helped calculating SLA misses.
* Work on SCR's (source change request). involved working on Perl, Python, PHP and Shell Scripting.
* Created Python/MySQL back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings. Used Wireshark, live http headers, and Fiddler2 debugging proxy to debug the Flash object and help the developer create a functional component.
* Ensured code quality by writing unit tests using Pytest.
* Used JIRA for bug tracking and issue tracking and added several options to the application to choose particular algorithm for data and address generation.

**Environment:** Python 2.7, DJango 1.7, CSS, HTML, JavaScript, Bootstrap, Apache Web Server, AJAX, JQuery, Pandas, MySQL, Restful APIs, JavaBeans, Servlets, Agile, Scrum, Heroku, JIRA, GIT.

**Client: Sun Dew Solutions ,Kolkata ,India Dur: March 2012-June 2014**

**Python Developer**

**Responsibilities:**

* Developed Python scripts to read from Excel files, generate XML configuration files and also for generating IP access frequency lists in different datalogs.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Designed email marketing campaigns and also created responsive webforms that saved data into a database using Python/ Django Framework.
* Generated Python Django Forms, Crispyforms to record data, login and signup of online users.
* Learned technical skills that are required for the system like CherryPy, Django, Flask, Pandas, JIRA, and Heroku etc.
* Collaborated with a team of instructors and programmers to develop the curriculum and guidelines for workshops to teach the logic of programming.
* Worked for development and enhancements of all the modules of raildocs and have them running it the design team for project structure.
* Successfully migrated DJango database from SQLite to MySQL to PostgresSQL with complete data integrity.
* Upgraded Python 2.5 to Python 2.7 on a RHEL server. This upgrade was necessary because in lined models with UTF-8 characters were causing unexpected errors.
* Developed Application to access JSON and XML from Restful WebService from consumer side using JavaScript and Angular.JS.
* Developed web-based LAMD stack applications using Python and Django for large dataset analysis.
* Designed and Implemented a Random Unique Test Selector Package on processing large volume of data using Python and DJango ORM.
* Developed and implemented the user registration and login feature for the application process from scratch by extending Django user model.
* Write a wrapper program in Python to automate the entire process like running different executables of FORTAN and call the Java swing program.
* Database Administration activities like taking backup, checking log messages, looking for database optimization.
* Learned how to create specific images using Python Imaging Library for the custom images used for each book.
* Developed and maintained parsing modules, which read CSV, XML and JSON data from files and other REST services, processed the data.

**Environment:** Python 2.7, RabbitMQ, FORTAN, XML, WSDL, Flask, Django, Pandas, MySQL, CSS, HTML, Jenkins, Google App Engine.

**Client: Cogent Data Solutions LLC ,Hyd ,India Dur: July 2010- Feb 2012**

**Java UI Developer**

**Responsibilities:**

* Developing, modifying, fixing, reviewing, testing and migrating the Java, JSP, XML, Servlet, SQLs, JSF, Spring and hibernate programs.
* Used J2EE design patterns like Singleton, command, Factory, Business Delegate, Session façade, Service locator, Transfer object and view object for developing enterprise application.
* Used multithreading concepts while creating DAO classes. Used multithreading in programming to improve overall performance.
* Worked on creating various documents that include Use Cases, Class Diagrams, Sequence Diagrams and Activity Diagrams.
* Developing Responsive Design UI Rich Rest Service Applications, Single Page Applications and HTML Wireframes using HTML4 Grid Structures/Layouts, CSS3 Media Queries, Ajax, Angular JS and Bootstrap.
* Involved in creating various Data Access Objects (DAO) for addition, modification and deletion of records using various specification files.
* Used SOAP UI to test the web services, created cases SOAP UI test and worked on SOAP composite projects.
* Involved in the development of business module applications using J2EE technologies like Servlets, Struts, JDBC and ODBC.
* Involved in web designing using HTML 4, XHTML, CSS 2/3, JQuery, JavaScript extensively used Table less Design in CSS for positioning.
* Involved in the development using Spring Model View Controller (MVC) with Data access/integration layer consists ORM module.
* Designing classes using design pattern methodologies such as Singleton, Service Locator, and DAO factory and session façade patterns. Involved in Performance tuning.
* Created tables, complex join queries, stored procedures, views, Types, triggers and functions and modifications to existing database structure as required for addition of new features using SQL developer.
* 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:** Java, J2EE, Oracle 11g, Unified Modelling Language (UML), XML, Web services, SOAP, Angular JS, JUnit, RAD, CSS, HTML, DHTML, XSL, XSLT and MySQL.

**Bachelors in Electronics and communication engineering May-2010**