**Raj**

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**SUMMARY:**

* Around **5+ years** of experience in Web and Application Development coding in **Python**, **Django** and Amazon Web Services (**AWS**).
* Good experience in developing applications using Amazon web services like **EC2,Cloud Search, Elastic Load balancer ELB, S3, CloudFront, Route 53.**
* Experienced with full software development life cycle (**SDLC**), architecting scalable platforms, object oriented programming, database design and **agile methodologies.**
* Experience in object oriented programming (**OOP**) concepts using Python, C++ and PHP.
* Experienced in **WAMP** (Windows, Apache, MYSQL, Python /PHP) and **LAMP** (Linux, Apache, MySQL, and Python) Architecture.
* Strong Experience in working with various Python IDE’s using **PyCharm**, **PyScripter**, **Spyder**, **PyStudio**, **PyDev** and also worked with sublime text2, VM editors for coding.
* Worked on several standard python packages like **Numpy, matPlotLib, Pickle, PySide, Scipy, wxPython, PyTables** etc.
* Experience in **financial analysis** and modeling, including investment accounting, budgeting, asset liability management, cash flow analysis, and give recommendations;
* Experience with ReportLab, **NumPy**, **SciPy**, Matplotlib, HTTPLib2, Urllib2, and **BeautifulSoup**, Pickle, and Pandas python libraries during development lifecycle.
* Experience in **Cassandra** Database Configurations and its C++ client libQt Cassandra.
* Experienced in using Caching applications for large scale applications like **Memcached, Redis**.
* Wrote Junit **test cases** for unit, integration, and functional tests, run automatically by Hudson/Jenkins in the builds triggered by each push to **GIT**.
* Experience in Python **Open Stack API'S**.
* Experienced in developing web-based applications using **Python, Django, PHP, C++, XML, CSS, HTML, DHTML, JavaScript and JQuery.**
* Experienced in installing, configuring, modifying, testing and deploying applications with **Apache**.
* Good experience in developing web applications and implementing Model View Control (MVC) architecture using server side applications like **Django, Flask and Pyramid**.
* Well versed with design and development of presentation layer for web applications using technologies like **HTML**, **CSS**, and **JavaScript**.
* Familiar with **JSON** based **RESTWebservices** and Amazon Web services.
* Experienced in developing Web Services with Python programming language.
* Experience in writing **Sub Queries, Stored Procedures, Triggers, Cursors**, and Functions on **MySQL** and **PostgreSQL** database.
* Experienced in **agile** and waterfall methodologies with high quality deliverables delivered on-time.
* Experience in utilizing **SAS Procedures, Macros,** and other SAS application for **data extraction, data cleansing, data loading and reporting**.
* Maintained **detaileddocumentation** and architectural solutions in IT infrastructure and sales systems.
* Strong knowledge on **Dev Express Controls.**
* Expertise in python **ORM libraries** including **Django ORM**, **SQLAlchemy**.
* Experience with continuous integration and automation using **Jenkins**.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Have the ability to understand complex systems and be in command of the details to provide solutions.
* Excellent analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player.

**Comcast, PA Oct 2014 – till date**

**Sr.Python Developer**

**Responsibilities:**

* Used UML Rational Rose to develop Use-case, Class and Object diagrams for OOA/OOD techniques.
* Built database Model, Views and API's using Python for interactive web based solutions.
* Placed data into JSON files using Python to test Django websites.
* Used Python scripts to update the content in database and manipulate files.
* Developed web based application using Django framework with python concepts.
* Generated Python Django forms to maintain the record of online users.
* Used Django API's to access the database.
* Involved in Python OOD code for quality, logging, monitoring, and debugging code optimization.
* Designed and developed the UI for the website with HTML, XHTML, CSS, Java Script AJAX and Angular JS.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Developed tools to automate some base tasks using Python, Shell scripting and XML.
* Created Unit test/ regression test framework for working/new code.
* Used PyQt to implement GUI for the user to create, modify and view reports based on client data.
* Automated the existing scripts for performance calculations using Numpy and SQL alchemy.
* Exported/Imported data between various data sources.
* Experienced in Agile Methodologies and SCRUM Process.
* Installed and maintained web servers Tomcat and Apache HTTP in UNIX.
* Developed efficient Angular.js for client web based application.
* Responsible for designing, developing, testing, deploying and maintaining the web application.
* Involved in working with Python open stock API's.
* Responsible for managing large databases using Panda data frames and MySQL.
* Wrote and executed various MySQL database queries from Python-MySQL connector and MySQL dB package.
* Involved in debugging and troubleshooting issues and fixed many bugs in two of the main applications which are main source of data for customers and internal customer service team.
* Implemented SOAP/RESTful web services in JSON format.
* Created Git repository and added the project to GitHub.   
  Involved in debugging the applications monitored on JIRA using agile methodology.
* Attended many day-to-day meetings with developers and users and performed QA testing on the application.

**Environment:** **Python, Django, PyQT, Panda API, HTML, CSS, AJAX, Tomcat, Apache HTTP, Angular.js, JSON, Restful, XML, JavaScript, OOD, Shell Scripting, GitHub, MYSQL, Cassandra, Jira, Agile.**

**Client: Mercy Health, St. Louis, MO. Mar 2013 – Sep 2014**

**Sr. Python/Django Developer**

**Responsibilities:**

* Design, develop, test, deploy and maintain the website.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Involved in Python OOD code for a good quality and debugging code optimization.
* Implemented code to perform CRUD operations on MongoDB using PyMongo module.
* Placed data into JSON files using Python to test Django websites.
* Used spring, JDBC and JPA at persistence layer (DAO).
* Involved in managing and reviewing Hadoop log files.
* Build all database mapping classes using Django models and Cassandra.
* Experienced with batch processing of data sources using Apache Spark and Elastic search.
* Used advanced packages NumPy for sophisticated matrix based calculations.
* Implemented multi user roles for a social network, configuring polymorphic associations in a PostgreSQL database.
* Worked in MySQL database on simple queries and writing Stored Procedures for normalization.
* Involved in generation of Python Django forms to maintain the record of the online users.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Used Django Database API’s to access database objects.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Used PyQt to implement GUI for the user to create, modify and view reports based on Client data.
* Developed efficient Angular.js for client web based application.
* Installed and maintained web servers Tomcat and Apache HTTP in UNIX.
* Wrote python scripts to parse XML documents and load the data in database.
* Generated property list for every application dynamically using python.
* Handled all the client side validation using JavaScript.
* 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 1.3, MySQL, Linux, HTML, XHTML, CSS, AJAX,JavaScript, Apache Web Server.**

**Humana, Lexington, KY Nov 2012 – Aug 2014**

**Python Developer**

**Responsibilities:**

* Designed templates for banner advertisements and emails using HTML, CSS and Django forms.
* Developed a secured login system using Django framework. Implemented object oriented concepts based inheritance features in programming, to classify users into groups.
* Managed settings of Django projects and ensured proper execution of applications on Linux-based machine.
* Used REST API for this database with complex graph traversal scenarios.
* Applied encryption and decryption of ISO standard message in Python programming.
* Conducted research regarding Python Programming and its uses and efficiency.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Implemented code to perform CRUD operations on MongoDB using PyMongo module.
* Implemented responsive vector maps and charts on webpages using the data from MongoDB.
* Conducted mentoring session in python and setting up Django environments to junior developers.
* Worked with Amazon AWS concepts like EMR and EC2 web services which provides fast and efficient processing to upload and retrieve project history
* Developed a knowledge base in Python/Django and MongoDB for reference purpose among the
* Development team.
* Contributed in applying patches during Django implementation.
* Developed application to parse excel file and process user data with data validations.
* Developed object-oriented programming to enhance company product management.
* Search engine optimization by replacing existing database with MongoDB (NoSQLDatabase).
* Used CVS version control to coordinate team-development.
* Responsible for debugging and troubleshooting the applications.
* Performed data modeling and schema design with MongoDB
* Designed and implemented MongoDB NoSQL database read/write/search function.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.

**Environment:Python 2.7, Django 1.3, HTML, CSS, MongoDB, Beautiful Soup, AWS, CVS.**

**Quad One Technologies Pvt. Ltd, India Dec 2010 to Sep 2012.**

**Python/Java Developer**

**Project:**Worked on Transaction management system.

The project deals with online payments, money transfer, balance checking and transaction reporting. It mainly consists three modules User administration, online payments and balance &amp; transaction reporting.

**Responsibilities:**

* Designed and developed entire frontend and backend modules using Java and Python with web frameworks.
* Responsible for designing, developing, testing, deploying and maintaining the website.
* Designed and developed the UI for the website with HTML, XHTML, CSS, Java Script and AJAX.
* Developed database management 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 divide XML documents and load the data in database.
* Developed property list for all the applications using Python.
* Handled client side validation using JavaScript.
* Created Unit test/ regression test framework for working/new code.
* Involved in writing SQL queries implementing functions, triggers, cursors, object types, sequences, indexes etc.
* Used subversion version control to co-ordinate the team.
* Involved in debugging and troubleshooting issues of web application.
* Responsible for day to day issues and enhanced performance of the web application.
* Involved in UNIX environment for the development of the application.

**Environment: Java, Python, Struts 1.2, Django 1.0, MySQL, Linux, HTML, XHTML, CSS, JavaScript, AJAX, SQL, MySQL, Apache Web Server, UNIX.**

**EDUCATION .**

**Bachelor’s in Computer Science**

Jawaharlal Nehru Technological University, Hyderabad, India.

**Technical Skills .**

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| **Programming Languages** | C, C++,Java, Python, Shell scripting. |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, XML, AJAX, jQuery, JSON and CSS Bootstrap. |
| **Frameworks** | Django, Flask, Pyramid, Pyjamas, Angular JS, Node JS, Spring, Hibernate. |
| **Python Libraries** | ReportLab, NumPy, SciPy, MatplotLib, Urllib2, Beautiful Soup, Pandas, Pickle. |
| **Cloud Services** | Amazon Web Services, Google app Engine. |
| **Web Servers** | Apache HTTP webserver, WebLogic, WebSphere, JBoss, Apache Tomcat. |
| **Database** | MySQL, Sqllite3, PostgreSQL, Cassandra, mongo DB. |
| **Deployment Tools** | Amazon EC2, Jenkins and Fabric. |
| **Version Control** | CVS, SVN, Git and GitHub. |