**Anurag**

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**Summary**

* I have 6+ years of experience as a Web/Application Developer and coding with analytical programming using Python.
* Experience in analysis, design, and development, testing, implementation and maintenance of various web applications using Python and Django.
* Experience with Django and Flask a high-level Python Web framework.
* Experienced with full Software Development Life-Cycle (SDLC), architecting scalable platforms, Object Oriented Programming, Database Design and Agile Methodologies.
* Experience with Requests, Numpy, Scipy, Matplotlib, and Pandas python libraries during development lifecycle.
* Experience with automation/configuration management using tools like Ansible, Puppet,Chef and SaltStack.
* Knowledge on Open Stack Environment Implementation and the architecture using API to integrate between multiple utilities (storage, Monitoring, computing, Authentication & Authorization.
* Experience working with notebook technologies like Jupyter and open Source distribution Anaconda.
* Worked with python libraries from Python Package Index (PyPI).
* Experience with Jenkins and Enterprise GitHub. Worked on Jenkins continuous integration tool for deployment of project.
* Good Experience in Tableau Analytics. Build Dashboards for clients using Tableau.
* Experience in end to end design and deploy rich Graphic visualizations with Drill Down and Drop down menu option and Parameterized using Tableau.
* Worked on Loading and transforming large sets of structured, semi structured and unstructured data using Hadoop, Bigdata concepts.
* Proficient in SQL databases MSSQL Server, MySQL (RDBMS), Oracle DB, Postgres and MongoDB.
* Working experience on JSON based REST Web services and Amazon Web Services (AWS) Such as EC2, Lambda, ELB,SQS(Queuing Services), VPC and cloud watch.
* Working knowledge on Kubernetes to deploy scale, load balance, and manage Docker containers with multiple namespace versions.
* Having experienced in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL, PL/SQL and PostgreSQL database.
* Basic understanding of protocols/technologies like HTTP, LDAP, JDBC, SSL, Servlet/JSP, SQL, HTML, XML
* Knowledge in Data mining and Data warehousing using ETL Tools and Proficient in Building reports and dashboards in Tableau (BI Tool).
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.
* Experience in implementing PEP8 coding standards.
* Familiar with Agile and Waterfall development methodologies. Followed Agile Methodologies (Scrum) involved in daily stand-up meetings.
* Hands on experience with Agile project management tools such as JIRA, Version One
* Installed, setup, and configured Cisco switches for TCP/IP intra-network and wireless access point across the network for the local area network and Wi-Fi.
* Experienced in working with different operating systems like Windows, Ubuntu Linux and UNIX.

**Professional Work Experience**

**Sr. Python Developer**

**GOGO Aviation**

**Broomfield, Colorado**

**December 2016 to Present**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators, and production to ensure production deadlines are met.
* Developed Business Logic using Python on Django Web Framework.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Used Django Database API's to access database objects.
* Used JQuery and Ajax calls for transmitting JSON data objects between frontend and controllers.
* Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution.
* Used Python based GUI components for the front end functionality such as selection criteria.
* Created test harness to enable comprehensive testing utilizing Python.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Involved in front end and utilized Bootstrap and Angular.js for page design.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Used PyQuery for selecting particular DOM elements when parsing HTML.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Created Business Logic using Python to create Planning and Tracking functions.
* Created UI Screens for initiation and validation.
* Worked on UI using HTML5, CSS3 and Java Scripts.
* Developed multi-threaded standalone app in Python and PHP to view performance.
* Used Pandas library for statistical Analysis.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Working in team of Architects and Developers to build and deploy Python Flask Peewee Linux AWS.
* Version control using GITHub.
* Involved in writing stored procedures using MySQL.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

**Environment:** Python 3.5/2.7, Django, AWS, Java, API, Flask, Numpy, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Wireshark, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Angular.js, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX.

**Python Developer**

**Shire**

[**Lexington, Massachusetts**](https://www.google.co.in/search?biw=1745&bih=853&q=Lexington,+Massachusetts&stick=H4sIAAAAAAAAAOPgE-LSz9U3MC4wLsy1UOIEsQ1zKsrNtLSyk63084vSE_MyqxJLMvPzUDhWGamJKYWliUUlqUXFAGZmRUBFAAAA&sa=X&ved=2ahUKEwj2tpzJ-YPfAhWMvo8KHfGmD6AQmxMoATAaegQICxAL)

**October 2015 to September 2016**

**Responsibilities:**

* Developed data analytic tools using Python Pandas, and visualizations using Matplotlib and Bokeh.
* Worked on CRUD permissions using MySQL and presented them with the beautiful wxPython widgets.
* Created new PL/SQL stored procedures for new Oracle Forms and Reports development.
* Worked on various Integrated Development Environments like PyCharm, Anaconda Spyder.
* Automated the existing scripts for performance calculations using NumPy, SciPy and SQL alchemy.
* Created Restful micro services utilizing Flask and Django and sent on AWS servers utilizing EBS and EC2.
* 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.
* Rewrote existing Python/Django modules to deliver certain format of data.
* Wrote python scripts to parse XML/QML documents and load the data in database.
* Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio, PyDev, Sublime text.
* Developed Web based Dynamic Form Builder using HTML, CSS, and JavaScript Object-to-XML.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Used Spark for interactive queries, processing of streaming data and integration with popular NoSQL database for huge volume of data.
* Involved in converting Hive/SQL queries into Spark transformations using Spark RDD, and Python.
* Worked on the MySQL migration project to make the system completely independent of the database being used.
* Migration of data validation code from the legacy mainframe systems to ETL framework using informatica workflows and shell scripts.
* Developed stored procedures, functions and packages for ETL Development.
* Performed the performance evaluation of the ETL for full load cycle.
* Critiqued the source data coming from different sources (Oracle, DB2, XML, Flat files) and worked on developing ETL mappings.
* Used testing like JIRA for bug tracking.
* Created Oracle database tables, stored procedures, sequences, triggers, views.
* Implemented REST APIs using Python and Django framework.
* Created a Rich Single Page Application using HTML, CSS, JSP, JSON, Angular, Node.js, bootstrap.js, backbone.js.
* Developed web-based applications using Python, Django, XML, CSS, HTML, JavaScript, AngularJS and jQuery.
* Use of Agile Rally for project management like project iteration etc.
* Used Agile rally for scheduling release and other QA activates.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Created and deployed web pages using HTML, JSP, JavaScript and CSS.

**Environment:** Python 2.7, Django, HTML, CSS, XML,QML, JavaScript, GO Lang, AJAX, Webserver, wxPython , matplotlib, NumPy , PyDev, PostgreSQL, Apache, Bootstrap, Flask, Oracle, PL/SQL, MySQL, MS-Sql, , Web Services, SOAP, REST, PyCharm, Windows, Linux.

**Python Developer**

**BNY MELLON**

**New York, NY**

**April 2014 to June 2015**

**Responsibilities:**

* Developed Views and Templates with Django view controller and template language to create a user-friendly website interface.
* Configured the Django admin site, dashboard and created a custom Django dashboard for end users with custom look and feel. Used Django APIs for database access.
* Implemented MVC architecture in developing the web application with the help of Django framework.
* Used Python and Django for XML, JSON processing, data exchange and business logic implementation.
* Built database Model, Views and API's using Python for interactive web based solutions.
* Used Python scripts to update the content in database and manipulate files.
* Created UI using JavaScript, Perl and HTML5. Designed and developed data management system using MySQL.
* Worked in MySQL database on simple queries and writing Stored Procedures for normalization and renormalization.
* 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 Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Worked on Jenkins continuous integration tool for deployment of project.
* Played a key role in a development wide transition from Subversion to Git, which resulted in increase in efficiency for the development community.
* Worked on developing internal testing tools which were written in Python.
* Worked on Libraries like Pandas for data manipulation and analysis.
* Developed most of the application part in Linux environment and very much familiar with all its commands.
* Used TKinter to implement GUI for the user to create, modify and view reports based on client data.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Implemented RESTful Web-Services for sending and receiving the data between multiple systems.
* Used Python Library Beautiful Soup for web Scrapping.
* Responsible for debugging and troubleshooting the web application.
* Developed, tested and debugged software tools utilized by clients and internal customers.
* Coded test programs and evaluated existing engineering processes.

**Environment:** Linux, Python, Django, Ansible, HTML, XML, JavaScript, AngularJs, JQuery, MS SQL Server, Amazon s3, Jenkins, Mongo DB, Hadoop Beautiful soup, Perl, Pandas, Matlab, Eclipse, Kafka Git, GitHub, JIRA.

**Python Developer**

**AgFirst Farm Credit Bank**

**Columbia, SC**

**January 2012 to March 2014**

**Responsibilities:**

* Maintained program libraries, users' manuals and technical documentation.
* Managed large datasets using Panda data frames and MySQL.
* Wrote and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.
* Thorough knowledge in various front end tools like HTML, CSS, JavaScript, XML, JQuery, Angular JS, and AJAX. Managed large datasets using Panda data frames and MySQL.
* Hands-on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.
* 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 webscrapping.
* Formulating the ETL mappings to implement the business logic. Used transformations like lookup, update strategy, expression, filter, router, aggregate, source Qualifier.
* Exposure about ETL batch and the concept of data warehousing.
* Have extensively worked on creating different kinds of maps, graphs etc for analysis of data in Tableau.
* Have experience working on creating calculated fields by joining different kinds of data sets from different data sources in Tableau.
* Designed Tableau Dashboards templates for market reports by Tableau dashboards and pivot tables.
* Created reports in tableau for visualization of the data sets created and tested Impala Connectors.
* Worked on HDFS to store and access huge datasets within Hadoop.
* Developed different kind of custom filters and handled pre-defined filters on HBase data using API.
* Developed user interface solutions using a Django web framework. Used Python scripts to update content in the database and manipulate files.
* Involved in building database Model, APIs, and Views utilizing Python technologies to build web based applications.
* Developed interfaces using JavaScript, HTML technologies for several web applications to fetch and graphically present required data from database.
* Involved in the complete Software Development life cycle (SDLC) to develop application.
* Developed user interface of the web application using HTML, CSS3, and Bootstrap. Wrote custom user defined functions in JavaScript to validate application functionalities/features.
* Responsible for writing OOP code in Python for server side scripting.
* Wrote code to support model-view-controller (MVC) pattern of Python Django framework in developing several modules for the application.

**Environment:** HTML, CSS, JavaScript, MySQL, Agile methodology, HTML, Django, bootstrap, JQuery, XML, pandas SQL programming, Tableau, Hadoop, Python programming, and R Programming.

**Education: BS in Computer Science from OSMANIA University passing year 2011.**