**Ankit**

**Python Developer**

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**SUMMARY:**

* Around 5 years of experience in systems analysis, design, development and implementation of web application.
* Experienced in application development using Python, Django, HTML5, CSS, JavaScript, Oracle, Postgre SQL and SQLite.
* Experienced in web UI design and interface development using HTML, DHTML, CSS, Bootstrap, JavaScript, JQUERY, AJAX and JSON.
* Experienced in implementing MVC architectures using Full stack frameworks such as Django and Flask for developing web applications.
* Experience using Amazon Web Services (AWS) such as EC2, S3, EMR, EBS.
* Experience in using NoSQL databases like MongoDB and Apache Cassandra.
* Experience in using Docker and Amazon Web Services (AWS) infrastructure with automation and configuration management tool such as Ansible
* Worked on control systems such as Git and SVN.
* Worked with both SOAP and REST protocols for information exchange.
* Experienced with ORM's such as Django and SQL Alchemy, database design and normalization.
* Vastly experienced in Python, Object oriented programming languages etc.
* Experienced in various stages of software development life cycle that included analysis, design, development, deployment and testing of an application for business outputs.
* Experienced in Agile software development- a framework that delivers customer collaboration and interaction with processes and tools.
* Experienced in using Git, GitHub and deploying using Heroku.
* Worked on JIRA for bug tracking and communicating for better results.
* Experienced in concepts like Exceptional Handling, Inheritance.
* Followed the best practice of Python such as PEP-8.
* Worked on large data sets and performance optimization of delivering large datasets by using caching mechanism.
* Plan and participate in the testing effort for Genesys InfoMart (GIM) projects
* Developed proprietary frameworks on top of Django Rest Framework with cache and Numpy.
* Worked on large datasets by using pandas and Numpy.
* Experienced in manipulating and updating files in python.
* Worked on various Integrated Development Environments like PyDev, PyCharm, PyScripter.
* Experienced with server-side technologies including relational databases, RESTful services and MVC design patterns.
* Good Exposure in maintaining various version controls.
* Maintained detailed documentation and architectural solutions in IT infrastructure and sales systems.
* Experienced in Test Driven Development and Unit Testing.
* Excellent team player, very dynamic, flexible with positive attitude and excellent learning skills.

**TECHNICAL SKILLSET:**

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| --- | --- |
| **Languages** | Python, HTML, SQL, JavaScript, SQL, NoSQL |
| **Framework** | Django, Flask, .NET Framework4.5, Spring, Drupa |
| **Web Technologies** | AJAX, JavaScript, HTML, React JS, XML, JQuery, AngularJS, Django |
| **Versioning Tools** | Subversion, GIT, Perforce, SVN, CVS, Gerrit, Jenkins, Selenium |
| **Databases** | MySQL, SQL Server 2012, Oracle, Mango DB |
| **Operating systems** | Linux/Unix, Windows Variants |

**PROFESSIONAL EXPERIENCE:**

**Duke - Energy, Charlotte, NC. Dec 2018 - Present**

**Python Developer**

**Responsibilities:**

* Worked in comprehending and examining the client’s business requirements.
* Used Django frameworks and Python to build dynamic Webpages.
* Developed tools for monitoring and notification using Python.
* Enhanced the application by using HTML and Java script for design and development.
* Used data structures like directories, Tuples, object-oriented class based inheritance features for making complex algorithms of networks.
* Deployed Application using AWS EC2 Standard Deployment Techniques.
* Created PHP/MySQL back-end for data entry from Flash and worked in tandem with the Flash developer to obtain the correct data through query string
* Involved in designing database Model, API’s, Views using python to build an interactive web based solution.
* Generated Python Django Forms to record data of online users.
* Implemented Data tables to add, delete, update and display patient records and policy information using PyQt.
* Implemented a module to connect and view the status of an Apache Cassandra instance using python.
* Experience with AWS instances spanning across Dev, Test, Pre-Production and Cloud Automation through Open Source DevOps tools like Chef, Jenkins & Docker.
* Developed MVC prototype replacement of current product with Django.
* Developed a web application (self-service portal) using Python, Flask, Flask RESTful, REST API, Vue.JS, HTML, CSS, Bootstrap, POSTGRESQL database.
* Implemented AWS high-availability using AWS Elastic Load Balancing (ELB), which performed balance across instances.
* ETL process for continuously bulk importing catalog data from MySQL into Elastic search, wrote python scripts to perform CRUD operations on MySQL database.
* Improved the Data Security and generated report efficiently by caching and reusing data.
* Created UI using JavaScript and HTML5/CSS3.
* Built and supported Genesys Chat components in Lab and Prod environments.
* Installed and deployed the Genesys Web Engagement, Genesys Administrator and Genesys Rules System components.
* Managed datasets using Panda data frames and MYSQL. Queried the database queries using Python-MySQL connector and retrieved information using MySQLdb.
* Recorded the online users’ data using Python Django forms and implemented test case using Pytest.
* Developed the application using the TestDriven methodology and designed the unit tests using Python Unit test framework.
* Created web application prototype using jQuery and Angular JS.
* Deployed the project into Heroku using GIT version control system,
* Maintained and Updated the application in accordance to the clientele’s requirement

**Environment:** Python 3.7, Django 2.2, Tableau 10.4, Beautiful Soup, AWS EC2, JSON, JavaScript, JQuery, Angular JS, Backbone JS, Restful Web services, IBM DataPower, Genesys Chat/CME/SCI/Administrator/Rules, Apache spark, Cassandra, JIRA, Linux, Git, Amazon s3, Jenkins, MySQL, Mongo DB, T-SQL, Eclipse.

**Lowes, Charlotte, NC. Jan 2018 – Nov 2018**

**Python Developer**

**Responsibilities:**

* Involved in the various phases of problem analysis, design and development and testing.
* Used the Numpy and SQL Alchemy for mathematical and performance calculations using python.
* Transferred the Django data base with complete integrity of the data from SQL to PostgreSQL successfully.
* Integrated the Flash into CMS using the Flash vars stored in the Django Models.
* Designed and managed API system deployment using fast http server and Amazon AWS architecture.
* Created the XML with the Django for Flash to use it.
* Pyunit was used to create and execute the test plans
* Worked with the testing team for resolving bugs.
* Worked in tandem with the testing team for debugging.
* Closely involved in performance evaluation and User Acceptance Test.
* Used Git for the version control.
* Develop user friendly and sophisticated graphical representation of the catalogue of items that would be configured for a piece of equipment.
* Using Jenkins as continuous integration tool creating new jobs, managing required plug-ins, configuring the jobs selecting required source code Control Systems & CI/CD, build trigger, build system and post build actions, scheduled automatic builds , notifying the build reports etc.
* Worked on object-oriented programming (OOP) concepts using Python, Django.
* Used JIRA for bug tracking and issue tracking.
* Practical experience with working on multiple environments like development, testing, production.

**Environment:** Python 3.5 and 3.7, Windows, Django 2.2, MySQL, PostgreSQL, SQL ALchemy, MySQL DB.

**Coverfox Insurance – Mumbai, India June 2015 – July 2017**

**Python Developer**

**Responsibilities:**

* Developed web-based applications using Python, Django, XML, CSS, HTML, DHTML, JavaScript and JQuery.
* Involved in Developing a Restful service using Python Flask framework.
* 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.
* Actively involved in Initial software development life cycle (SDLC) of requirement gathering and in suggesting system configuration specifications during client interaction.
* Wrote Python modules to view and connect the Apache Cassandra instance.
* Involved in develop the REST Web services to expose the business methods to external services in the project.
* Built an Interface between Django with RESTAPI.
* Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page.
* Working as an application developer experienced with controllers, views and models in Django.
* Involved in debugging the applications monitored on JIRA using agile methodology.
* Attended many day-to-day meetings with developers and users and performed testing on the Application.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.
* Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python best practices and provide guidance in making long term architectural design decisions.
* Prepared and analyzed reports using Python libraries and involved in environment Setup.
* Created Acceptance testing portion of the testing plan.

**Environment:** Python 2.7 and 3.0, Django 1.4, HTML, CSS, AJAX, Tomcat, Apache HTTP, JSON, Restful, XML, JavaScript, Shell Scripting, GIT Hub, MYSQL, Cassandra, JIRA

**Shimnit Utsch India Pvt. Ltd. – Mumbai, India June 2012 - July 2013**

**Software Developer**

**Responsibilities:**

* Tasks include gathering requirement, performing analysis along with development and design as part of the software development cycle.
* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modelling, analysis, design and development.
* Designed and Developed the REST style web services using Python and Flask, Postgres Database.
* Performed the data transition and API to Oracle from the Sybase ASE.
* Performed the transition of PL/SQL code to Oracle to Sybase.
* Migration of the data contained in the earlier ASPL Database from Sybase to Oracle.
* Involved in the library transition to Oracle API from Sybase API.
* Automated the testing using python.

**Environment:** Python 2.7, Shell scripting/SQL, SVN, Quality Centre, Solaris, Windows, Perl.