**Sr. Python Developer Divya**

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**SUMMARY**

* 7 years of experience in developing web-based applications, software development and design using Python, Django, XML, CSS, HTML, DHTML, Java, JavaScript, JQuery and AngularJS.
* Experience in AWS, DevOps, Continuous Integration, Continuous Deployment and Cloud Implementations.
* Developed Consumer-based custom features and applications using Python, Django, HTML, CSS. Experienced with Software Development Life Cycle, Database designs, agile methodologies, coding, testing of enterprise applications and IDE's such as Jupiter Notebook, PyCharm, Emacs, Spyder and Visual Studio.
* Experience with Django and Flask high-level Python Web framework.
* Experience with Requests, NumPy, SciPy, Matplotlib, and Pandas python libraries during development lifecycle.
* Working with backend python automation, CI pipelines, Docker and cloud provisioning/automation.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on SQL and PostgreSQL database.
* Experience with automation/configuration management using tools like Ansible, Puppet, Chef and Salt Stack.
* Experienced in MVC frameworks like Flask and Pyramid and MVT framework like Django
* Experience working with notebook technologies like Jupiter and open Source distribution Anaconda.
* Worked with python libraries from Python Package Index (Py PI).
* 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.
* Hands on Experience 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.
* Knowledge in Data mining and Data warehousing using ETL Tools and Proficient in Building reports and dashboards in Tableau (BI Tool).
* Experience in designing the automation framework using Shell scripting.
* Experience in writing test plans, test cases, test specifications and test coverage.
* Familiar with Agile and Waterfall development methodologies
* Followed Agile Methodologies (Scrum) involved in daily stand-up meetings.
* Managed windows servers which included Active Directory maintenance and support
* Hands on experience with Agile project management tools such as JIRA, VersionOne
* Created Test Automation Framework with Selenium for test automation process
* Unit testing for the entire code and fixing bugs in unit testing
* 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.

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Unix, Linux, Windows and Mac |
| **Programming Languages** | Python, PL/SQL, AngularJS, JAVA |
| **Databases** | Oracle 10/11g, MySQL, SQL Server and PostgreSQL |
| **Tools** | IntelliJ, PyCharm, PL/SQL Developer, and TOAD |
| **Integration Tools** | Jenkins and Web Builder |
| **Version Control** | GitHub and SVN |
| **Defect Tracking** | JIRA, Git, and VersionOne |
| **Cloud** | VPC creation, EC2 instance, S3 buckets, RDS instances, Amazon command line, CloudFront, creating security groups, managing S3 object lifecycle, implementing S3 security & Encryption, working with databases, Using bootstrap scripts, AWS EC2 and S3 |

**Professional Experience:**

**Kindred Health, Louisville, KY Nov 2018 to Present**

**Sr. Python Developer**

**Description: :** Kindred Healthcare is a healthcare services company that operates [long-term acute-care hospitals](https://en.wikipedia.org/wiki/Long-term_acute_care_facility) and provides rehabilitation services across the United States. Kindred is a diversified post-acute healthcare provider.

**Responsibilities:**

* Extensive working knowledge in entire lifecycle of the projects including Design, Development, and
* Responsible for using the best technologies to add features to the existing system and services.
* Involved in all aspects of the development process from product inception to scaling in production.
* Accountable for driving software development best practices for the team and mentoring and developing junior engineers.
* Working in collaboration with project managers and higher management in cross-functional teams within Sales and Account Management, to understand business requirements and develop efficient, elegant approaches to their implementation.
* Writing REST APIs, as part of developing web-based applications for insurance premium calculations, using Django's REST framework.
* Heavily leveraged Python's graphics APIs for creating graphics and serialization libraries for encoding data in XML/JSON formats.
* Correspondingly involved in writing REST APIs using Django framework for data exchange and business logic implementation.
* Involvement in using collections in Python for manipulating and looping through different user defined objects.
* Used React-router to turn application into single page application
* Design and implemented custom Bash scripts for controlling the data flow from the PostgreSQL database.
* Assisted the development team in sending the correct data via query strings using PostgreSQL as the back-end for storing data.
* Used Django configuration to manage URLs and application parameters.
* Responsible for configuring NoSQL databases like Apache Cassandra to for increasing compatibility with Django.
* Designed and created backend data access modules using PL/SQL stored procedures.
* Good experience in writing SQL Queries and implementing stored procedures, functions, packages, tables, views, cursors, triggers.
* Responsible for debugging the project monitored on JIRA.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
* Developed and executed User Acceptance Testing portion of test plan.
* Generated Django forms to record data of online users and used Py Test for writing test cases.
* Extensive use of version controlling systems like GIT and SVN.

Environment: Python, Django, MySQL, NOSQL, PL/SQL, GIT, SVN, Unit Test Linux, REST APIs, Apache Cassandra, Windows, Py Test, Jira.

**Samsonite, Mansfield, MA March 2018 to Oct 2018**

**Sr. Python Developer**

**Description:** Samsonite International S.Ais a [luggage](https://en.wikipedia.org/wiki/Luggage) manufacturer and retailer, with products ranging from large [suitcases](https://en.wikipedia.org/wiki/Suitcase) to small toiletries bags and [briefcases](https://en.wikipedia.org/wiki/Briefcase). The company was founded in [Denver](https://en.wikipedia.org/wiki/Denver,_Colorado), [Colorado](https://en.wikipedia.org/wiki/Colorado), [United States](https://en.wikipedia.org/wiki/United_States).

**Responsibilities:**

* Performed Systems Analysis and detail application design
* Worked on development and enhancement of automated tools for testing, integration and global application development. This includes detail description of availability. Also enhanced the check out and registration process.
* Work with team of developers on python applications for RISK management.
* Managed full-life development cycles
* Held overall responsibility of coordination of implementations of software builds and releases
* Provided analytics to help determine optimal way to assemble releases
* Tracked any additions, deletions or change in scope on the published release plan including efficient tracking of defects.
* Automating analysis of large data sets
* Built the release plan roadmap and keep maintained for communication
* Worked on UI modification using HTML, CSS.
* Developed Application logic using Python 3.7 and Django framework.
* Wrote backend data access Logic using MYSQL and SQL Server
* Used Web Services to extract Supplier inventory for various high-end items.
* Integrated the application with different internal system.
* Designed and implemented a distributed, QA infrastructure for automated testing of a multi process software product.
* Involved in Unit, integration and smoke testing.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Developed entire front end and back end modules using Python on Django Web Framework.
* Designed and developed data center 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.
* Generated property list for every application dynamically using python.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.  
    
  Environment: Python 2.7, Django 1.8, MySQL, Windows, Linux, HTML, CSS, jQuery, JavaScript, Apache, Linux.

**US Bank, Seattle, WA June 2017 to Feb 2018**

**Sr. Python Developer**

**Description:** Worked on a customer support application serves to build clients and services covering the entire customer life cycle to help with Account details, subscription details, user details, program details, history, content search, credit card change details, recent activity, manage calls and help site services like call us back, chat with us, contact us etc.

**Responsibilities:**

* Responsible for analyzing various cross-functional, multi-platform applications systems enforcing Python
* Analysis of requirements and implement different functions according to design.
* Django and U Flask frameworks. Moreover, I have good knowledge in REST APIs, JSON, PostgreSQL, MySQL, developed front-end code with Ajax call in AngularJS and jQuery to retrieve data as JSON Object from controllers in back-end RESTful Server, then display the well-organized result in web pages by writing AngularJS controller, directives, services, and route providers. Also used Angular.js filter to make the data searchable and sortable.
* Supported the bank website in creating user profiles, we can also do the simple banking transactions for the with drawls, deposit and transactions is accompanied by password check by securing.
* Explore fault injection tools written in different languages like C, C++ and suggest integration of tools.
* Deployed DevOps using Puppet, Dashboard, and Puppet DB for configuration management to existing infrastructure
* Implemented responsive web pages using HTML5/CSS3, Bootstrap & XML/JSON REST web
* Services Deployed DevOps using Puppet, Dashboard, and Puppet DB for configuration management to existing infrastructure
* Developed the web applications with the use of the Django.
* Developed web pages using HTML, CSS, J Query, CICD Script, and AngularJS.
* Backend skills in creating SQL objects like Tables, Stored Procedures, Views, Indexes, Triggers,
* Rules, Defaults, user defined data types and functions.
* Generated property list for every application dynamically using Python.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.
* Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask, SQL Alchemy, and PostgreSQL.
* Involved in Unit testing and Integration testing for the application.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, CSS, CICD Script, Bootstrap, jQuery and RESTAPI calls.
* Develop and validated unit test cases using PYUNIT.
* Development of ERP satellite applications with python2, C++, Perl, php.
* Mentorship to developers about J2EE and C/C++ Design patterns and structured approaches.
* Performing code coverage and Pep8 standardization.
* Involved in daily Scrum meetings and follows agile methodology.
* Additionally, working over pre-silicon environments to simulate and emulate pieces of graphic hardware with C/C++.

Environment: Python, Django, JSON, HTML, CICD script, jQuery, XML, Agile, SQL, Python, Python, C/C++.

**American Airlines, Fort Worth, TX Jan 2017 to May 2017**

**Python Developer:**

**Description:** American Airlines is a leading airline company. The project is to build the self-service business term search engine for the next generation data management so that it can be used for wide variety of cross-platforms within the organization

**Responsibilities:**

* Developed entire frontend and backend modules using Java and Python using Web Frameworks.
* Designed and developed the server module and resolved issues and responsible for its enhancements.
* Architected and developed Python and Django for the backend development and front-end application using React, Webpack, Redux, and ES6/7 and PostgreSQL for the database.
* Worked on Django ORM module for signing complex queries.
* Load balancing of ETL processes, database performance tuning ETL processing tools.
* Loaded the data from Teradata to HDFS using Teradata Hadoop connectors.
* Hands on experience in Amazon Web Services AWS provisioning and good knowledge of AWS services like EC2, S3, Red shift, Glacier, Bamboo, ELB (Load Balancers), RDS, SNS, SWF and EBS etc. and Azure.
* Migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud Formation, Code Deploy, EBS and Ops Works.
* Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection and open stack to provision new machines for clients.
* Defined different Django API profiling techniques for faster rendering information.
* Used Ansible, Vagrant, and Docker for managing the application environments.
* Developed Python scripts for testing the car functioning on different services.
* Worked with Splunk for testing the performance and debugging server level problems.
* Implemented various Validation Controls for form validation and implemented custom validation controls using Object Oriented JavaScript.
* Working close together with QA and Operations teams to understand, design, and develop and end-to-end data flow requirements.
* Used React JS in components like JSX, creating React components, Virtual DOM, React Props, Lifecycle methods, working with the React States and Events.
* Developed Restful Micro Services using Flask and Django and deployed on AWS servers using EBS and EC2.
* Developed views and templates with Django view controller and template to create a user-friendly website interface.
* Worked on Django and RabbitMQ queues.
* Imported data using Sqoop to load data from MySQL to HDFS on regular basis.
* Used Circle CI for continuous integration and delivery platform over GIT.
* Used Django Migrations for designing and expanding of the database.
* Automated most of the daily task using python scripting.
* Involved in the CI/CD pipeline management for managing the weekly releases.
* Worked on Jira for managing the tasks and improving the individual performance.
* Making recommendations to the team in terms of appropriate testing techniques, shared testing tasks.

Environment: Python 2.7, AWS, Django, Django Rest, Flask, React, Redux, Circle CI, Vagrant, Splunk, New Relic Server, GitHub, Ansible, HTML5/CSS, PostgreSQL, Amazon Web Service (AWS), S3, EC2, EBS, PyCharm, Microsoft Visual Code, Linux, Shell Scripting, JIRA

**HCL Tech, Bangalore Sep 2014 to Nov 2015**

**Python Developer:**

**Description**:HCL Technologies is a [privately held](https://en.wikipedia.org/wiki/Privately_held_company) [software services](https://en.wikipedia.org/wiki/Computer_services) company

**Responsibilities:**

* Analyzed the system requirement specifications and in client interaction during requirements specifications.
* Worked on coding, developing and designing application in Python using Django MVC.
* Created entire application using Python, Django, MySQL and Linux.
* For design and development of the system we used OOD concepts.
* Involved in Agile Methodologies and SCRUM process including Sprint planning, backlog grooming, Daily Stand ups, Code review, Gant Chart.
* Developed views and templates with python and Django's view controller and templating language to create.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Developed tools using python, Shell scripting, XML to automate some of the menial tasks.
* Responsible for Design and maintenance of databases using Python. Developed Python based APIs by using Flask, SQL Alchemy and PostgreSQL.
* Created Workbooks and dashboards for analyzing statistical billing data using Tableau 9.0.
* Developed the presentation layer using HTML, CSS, JavaScript, jQuery and AJAX and Used jQuery libraries for all client-side JavaScript manipulations.
* Handled potential points of failure through error handling and communication of failure.
* Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.
* Developed ColdFusion Components, custom tags and modified CF Objects.
* Experience in managing MongoDB environment from availability, performance and scalability perspectives.
* Built various graphs for business decision making using Python Matplotlib library.

Environment: Python 2.7, Django, HTML, CSS, JavaScript, MySQL, Shell scripting, jQuery, Angular, Eclipse, JSON, DOM, GitHub, Php, Bootstrap, Tableau, Apache web server, Flask, Wireshark.

**Rational Technologies, Hyderabad. May 2010 to Aug 2014**

**Jr. Python Developer:**

**Responsibilities:**

* Participated in the development of application architecture and blueprints to define application components, platforms, interfaces and development tools.
* Updated site with JavaScript, jQuery, Python, Django, and SQL.
* Created backend database T-SQL stored procedures. Created and updated complex views and stored procedures in MySQL.
* Created a Git repository and added the project to GitHub.
* Developed monitoring and notification tools using Python.
* Documented the revised workflow using confluence wiki.
* Created Data tables utilizing Py Qt to display customer and policy information and add, delete, update customer records.
* Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface
* Used Python based GUI components for the front-end functionality such as selection criteria.
* Exported/Imported data between different data sources using SQL Server Management Studio
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Used Pandas package to retrieve and analyze data.
* Worked on development of SQL and stored procedures on MYSQL.
* Utilized Agile process and JIRA issue management to track sprint cycles.
* Participated in multiple sprint cycles, addressing requirements for UI development.
* Used decorators, list comprehensions, functional programming, unit tests, multiple staging environments, and global team remote collaboration.  
    
  Environment: Python, Django, C++, HTML, CSS, AJAX, JavaScript, Git hub, MySQL, Apache Web Server, Linux.