**Shiva**

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**Professional Summary:**

* 6+ years of experience as a Web Application Developer and Software Engineer using Python.
* Experience object oriented programming (OOP) concepts using Python, Java and PHP.
* Experienced in developing web-based applications using Python, DJANGO, XML, CSS, HTML and JavaScript.
* Experienced in MVW frameworks like Django, Java Script, JQuery and Node.js.
* Familiar with JSON based REST Web services.
* Involved in using all core Java Concepts into the application for the reusability of the code.
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache and Siebel.
* Hands on SVN, Git, JIRA and Bugzilla.
* Experience in UNIX shell scripting (file validations, file downloads, workflow executions).
* Experienced in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX and Integrated Development Environments like PyCharm, Eclipse, MyEclipse and JDeveloper.
* Expertise in designing, developing middleware components for software in C/C++ using STL, multithreading, data structures and design patterns.
* Created CI/CD pipelines and setup auto trigger, auto build and auto deployment with the help of the CI/CD tool like Jenkins.
* Experience of using Python modules like NumPy, Matplotlib, Pandas, SciPy, wxPython, PyTables, PyQt, etc., for generating complex graphical data, creation of histograms, etc.
* Experience with No-SQL db like MongoDB.
* Good knowledge on container services like Docker.
* Experience working with AWS Redshift, S3 and Lambda.
* Have good knowledge on Kafka and Spark.
* Worked on creation of custom Docker container images, tagging and pushing the images to private Docker Hub.
* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWSresources.
* Experienced with JSON based RESTful web services, and XML based SOAP web services.
* Experience in writing Sub Queries, Stored Procedures, Triggers and Functions on MySQL and PostgreSQL database.
* Experience in Methodology and Standard determination and implementation, System Architecture and Structural Optimization, Development and Deployment.
* Experience-based familiarity with various software development and deployment methodologies.
* Strong analytical and problem-solving skills, always striving for new knowledge. A person with multi-tasking and organizational skills and high ethical standards.
* Excellent communication and interpersonal skills, ability to work independently as well as part of an integrated team.

**Technical Skills:**

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| **Languages** | Python 3.x,2.7/2.4, Java, Shell Script, SQL |
| **Python Framework** | Django 1.3/1.4 |
| **Databases** | MySQL 5.1, SQL Server 2008 , Oracle 10g |
| **Web Technologies** | JavaScript, HTML, DHTML, XHTML, XML, Angular.js, Node.js |
| **Versioning Tools** | Subversion, GIT, Perforce, SVN, CVS |
| **Web servers** | Apache, IIS |
| **Cloud Services** | AWS S3, EC2 and Lambda |
| **Operating systems** | Linux/Unix, Windows-98/NT/2000/XP/2003/2008 |

**Education:**

Bachelors in Information Science Engineering from Visvesvaraya technological University, Bangalore, India, 2013.

Masters in Computer Science from UIS, Illinois 2016

**Client: Thermo Fisher Scientific, Pittsburgh, PA. Sep 17 – Present**

**Role: Python Developer**

**Responsibilities:**

* Participated in the complete SDLC process and used PHP to develop website functionality.
* 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 Python and Django to interface with the JQuery UI and manage the storage and deletion of content.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL, PostgreSQL and custom tools developed in Python and Bash.
* Worked on HTML5, CSS3, JavaScript, Git, REST API, Mongo DB, intelliJ IDEA.
* Performs in cloud computing environments using AWS EC2, S3, AWS RDS, and Redshift.
* Experience working with AWS Redshift, S3 and Lambda.
* Adapted functionality in AWS S3 and Redshift to allow incremental loading by adding staging layer and scripting SQL code to integrate staged data with the delta files.
* Experience of using Python modules like NumPy, Matplotlib, Pandas etc., for generating complex graphical data, creation of histograms, etc.
* Integrated Docker container-based test infrastructure to Jenkins CI test flow and set up build environment
* Worked on Docker container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers.
* Generated property list for every application dynamically using Python.
* Worked on Microservices for Continuous Delivery environment using Docker and Jenkins.
* Deployed and monitoredMicroservices using pivotal cloud foundry, also managed domains and routes with the cloud foundry.
* Worked with QA team to create detailed test strategies, test scenarios and test cases.
* Involved in front end and utilized Bootstrap and Angular.js for page design.
* Implemented AngularJS Controllers to maintain each view data.
* Developed custom directives, services, filters and modules in AngularJS
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records
* Experience with DB2 and Java Persistence.
* Involved in using all core Java Concepts into the application for the reusability of the code.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Coding in LAMP (Linux, Apache, MySQL, and PHP) environment.
* Built application logic using Python 3.1.
* Used Core Java features threads in developing applications
* Designed and developed the application using Java Server Faces (JSF) framework
* Used the Django Framework to develop the application and Django APIs for database access.
* Worked on development of SQL and stored procedures on MYSQL.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.

**Environment**: Python 3.1x, Django 1.4, Java, Angular.js, Bootstrap, Bash, Django ORM, PyQt, XML, AWS S3, AWS Redshift, MySQL, HTML, XHTML, CSS, AJAX, JavaScript, Jenkins, Apache Web Server, Linux.

**Client: NIH, Bethesda, MD. Aug 16 – Aug 17**

**Role: Python developer**

**Responsibilities:**

* Worked in stages such as analysis and design, development, testing and debugging.
* Performance tuning and stress-testing of NoSQL database environments in order to ensure acceptable database performance in production mode.
* Created and executed test plans using PyUnit.
* Worked on Apache CGI, Cherrypy, Python and Bash programming on Red Hat machines to maintain and automate Splunk server deployments and other in house IT operations.
* Wrote most of the logical code in Angular Services, writing minimal code in Angular Controllers.
* Worked with various python libraries such as Pandas and matPlotLib for analysis and manipulation of data.
* Dealt with large datasets by using Pandas data frames and MySQL, and performed dynamic implementation of SQL server work on the website using SQL developer tool.
* Used Decorators, Generators, Lambda and Comprehension to write effective codes.
* Implementing and configuring VMware Auto Deploy and VMware Update Manager.
* Configuring VMware vSphere 5.5 in a VMware ESXi environment.
* With using of Python OS module on UNIX environment, made job cloning and forking.
* Thoroughly used Unit Test Python library for testing many Python programs and block of codes.
* Developed Python/Django application for Google Analytics aggregation and reporting.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Manage the configurations of multiple servers using Ansible.
* Utilized PyUnit, the Python unit test framework, for all Python applications.
* Set up rules and policies with a Node.js/Python back end.
* Involved and played a leading role in database migration projects from Oracle to MongoDB, CouchDB databases based on my custom software.
* Worked on CSV files while trying to get input from the MySQL database.
* Created PHP/MySQL back-end for data entry from Flash.
* Developed weekly, monthly nightly job process through UNIX shell scripting.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Having Strong Knowledge on Data Management Department. Coding with Rumba, Stastics with Microsoft Excel, SAS,
* Closely involved in performance evaluation and User Acceptance Test.

**Environment:** Python 2.7, Django, Bash, PyUnit, Node.js, MongoDB, MySQL, Numpy, sqlalchemy, Angular.js, Windows, UNIX.

**Client: Centene Corporation , St.Louis, MO. Jan 16 – June 16**

**Role: Python Developer**

**Responsibilities:**

* Worked with team of developers on Python applications for RISK management.
* Made Django web based apps for Insurance premium calculations.
* Designed the architecture of the hardware environments and methodology of the code
* Done Job scheduling, batch-job scheduling and process control, forking and cloning of jobs and checking the status of the jobs using shell scripting.
* Used Ansible to document all infrastructures into version control.
* Used Ansible to document application dependencies into version control.
* Used Python OS module on UNIX environment, made job cloning and forking.
* Responsible for search engine optimization to improve the visibility of the website.
* Handled all the client side validation using JavaScript.
* Created PyUnit test cases for unit testing.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records.
* Used Python based GUI components for the front end functionality such as selection criteria.
* Involved in writing application level code to interact with APIs, Web Services using JSON.
* Used Unit Test Python library for testing many Python programs and block of codes.
* Used HTML, CSS, JQuery, JSON and Javascript for front end applications.
* Involved in testing RESTFull API like Twilio, Facebook and Twitter.
* Designed and developed data management system using MySQL.
* Involved in Agile Methodologies and SCRUM Process.
* Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.

**Environment**: Python, Django, XML, Java, Apache, CSS, MySQL, JSON, DHTML, HTML, JavaScript, Shell Scripts, agile, Restfull, UNIX and Windows.

**Client: ARIS Global, Bangalore Jan 12 – July 15**

**Role: Jr Python Developer**

**Responsibilities:**

* Responsible for development and enhancements of all the modules of raildocs and have them running quickly with online features.
* Developed Python batch processors to consume and produce various feeds.
* Developed internal auxiliary web apps using Python Flask framework with CSS / HTML framework.
* Used Python, Perl, CGI, JQuery, JavaScript and JSON at the front end.
* Used Python scripts to update content in the database and manipulate files.
* Generated Python Django Forms to record data of online users.
* Engineered stable, isolated environments per game team.
* Used HTML, CSS, JQuery, JSON and Javascript for front end applications.
* Managed our servers in development, testing, certification and production.
* Using Subversion version control tool to coordinate team-development.
* Developed SQL Queries, Stored Procedures, and Triggers Using Oracle, SQL, PL/SQL.
* Used Linux profiler Valgrind for optimization of code.
* Implemented locking mechanisms using multi threading functionality.

**Environment:** C++, Python, Perl, Linux, Shell Scripting, Java Script, JQuery, JSON, MySQL, Apache, Linux.