**Vidhya**

**Python Developer**

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**Ph #:**

**Professional Summary:**

* **5 years** of experience in Design, Development, Implementation of Python, Django, JavaScript and client - server technology-based applications.
* Experienced in **Agile Methodologies, Scrum stories and sprints experience** in a Python based environment.
* Experience in developing web applications implementing **Model View Control (MVC)** architecture using **Django, Flask, Pyramid** and **Python web application frameworks.**
* Proficient in Front end development experience using **Python, Django, HTML5, CSS3, Bootstrap 4, jQuery, JSON, Angular Versions and Node.js.**
* Proficient with **serverless** architect especially under **AWS Cloud**.
* Strong foundation in **Object Oriented Programming** principles, and writing extensible, reusable and maintainable code.
* Well Versed with various Python Integrated Development Environments like **Net Beans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text.**
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on SQL and **PostgreSQL database.**
* Experience in using NOSQL libraries like **MongoDB** and Version Control Tools like **GIT, GITHUB.**
* Experience in using **Jenkins** as a Continuous Integration server to configure with **Maven**.
* Well Versed with issue tracking/bug tracking tool like **Jira.**
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.

**Technical Skills:**

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| **Languages** | Python, SQL, TypeScript |
| **Frameworks** | Django, Spark, web2py, pyramid, Flask, Angular 12/10/4/JS |
| **Cloud Environment** | AWS |
| **Web** | HTML5, CSS3, Java Script, JQuery, AJAX, XML |
| **Tracking Tools** | ALM, JIRA |
| **Version Control Tools** | **GIT, GITHUB** |
| **IDE's** | Net Beans, **PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text** |
| **Deployment Tools** | Jenkins |
| **Methodologies** | Agile, Scrum |

**Professional Experience:**

**Client: Signature Bank, Sandy Springs, GA Oct 2021 – Till Date**

**Role: Python Developer**

**Responsibilities:**

* Involved in the development and deployment of a Python based web application using Django framework with **Agile** and **TDD methodologies.**
* Responsible for developing impressive **UI** using **HTML5, CSS3, Angular 12** and **Bootstrap**.
* Utilized several packages in the **Angular CLI** to create a more functional application.
* Writing helper scripts with **boto3** to launch **EC2 instances,** monitor instance status with emails notifications.
* Worked on standard python packages like **boto3** for **AWS.**
* Wrote Python code embedded with JSON to produce **HTTP GET** request, parsing **HTML5 data.**
* Responsible for managing MongoDB environment with high availability, performance and scalability perspectives.
* Developed the Application using python IDE – **PyCharm.**
* Update, maintain and change the current web applications as per the project requirement.
* Generated **Python Django** forms to record data of online users and used **PyTest** for writing test cases.
* Used **Git** and **Jira** for code submissions and review process.
* Handling the day-to-day issues and fine tuning the applications for enhanced performance.

**Environment:** Python, Django, Angular 12, HTML, Bootstrap, AWS, Boto 3, JSON, PyCharm, Mongo DB, Jenkins, GIT, Jira, Agile, Windows.

**Client: Brown & Brown Insurance, Daytona Beach, FL Jul 2019 – Sep 2021**

**Role: Python Developer**

**Responsibilities:**

* Worked as part of an **Agile/Scrum** based development team and exposed to TDD approach in developing applications.
* Involved in front end and utilized **Bootstrap** and **Angular 4** for page design. Created Business Logic using Python to create Planning and Tracking functions.
* Wrote REST APIs, as part of developing web-based applications using **Django REST framework.**
* Written Python utilities and scripts to automate tasks in AWS using **boto3** and AWS SDK. Automated backups using **AWS SDK (boto3)** to transfer data into S3 buckets.
* Heavily leveraged **Python's** graphics APIs for creating graphics and serialization libraries for encoding data in JSON formats.
* Developed views and templates with **Python** and **Django's** view controller and templating language to create a user-friendly website interface
* Used **PyQuery** for selecting particular DOM elements when parsing **HTML 5.**
* Used AngularJS Services $http for consuming REST API's and utilized Postman tool to debug **Web API.**
* Created Data tables utilizing **MySQL** utilized Jinja to access data and display it in the front end.
* Used advanced packages like Mock, patch and beautiful soup (b4) to perform unit testing.
* Developed GUI using **webapp2** for dynamically displaying the test block documentation and other features of python code using a web browser.
* Used **Jenkins** to deploy our code into different environments and scheduling jobs.
* Used **GitHub** as a version control and for issue tracking/bug tracking used **JIRA.**

**Environment:** Python, Django, Angular 4, AWS, Boto 3, HTML5, MySQL, Jenkins, GITHUB, Jira, Agile, Windows.

**Client: Thrive Market, Los Angeles, CA Nov 2017 – Jun 2019**

**Role: Python Developer**

**Responsibilities:**

* Developed entire frontend and backend modules using **Python** on **Django Web Framework.**
* Designed the front end of the application using **Python, HTML5, CSS3, AJAX, JSON** **and jQuery.**
* Used **Amazon Web Services** (AWS) for enhanced productivity of capacity and quick access.
* Developed tools using **Python** to automate some of the menial tasks.
* Created, Configured, and Managed **AWS Services** using **Boto3.**
* Developed and tested many features for dashboard using **Python, Bootstrap, CSS,** and **JavaScript**
* Involved in development of Web Services using REST for sending and getting data from the external interface in the **JSON format.**
* Worked on CRUD permissions using MySQL and presented them with the beautiful wxPython widgets.
* Designed user friendly interface using **BOOTSTRAP framework.**
* Organized Python code using PEP8 online tool including documentation of scripts.
* Created **PyUnit** test scripts and used for unit testing.
* Utilize continuous integration and automated deployments with **Jenkins,**
* Using **Git** as version control tool to coordinate team-development.
* Responsible for debugging the project monitored on **JIRA (Agile).**

**Environment:** Python, Django, HTML5, CSS3, Bootstrap, JavaScript, MySQL, PyQt, PyCharm, AWS, Boto3, Shell Scripting, PyUnit, Jenkins, GIT, Jira, Agile, Windows.