**Navya**

**Email:** [navya@gmail.com](mailto:navya@gmail.com)

**Ph#: 510-666-7777**

**Professional Summary:**

* Over **5+ years** of experience as a Web/Application Developer and coding with analytical programming using **Python, Django, Flask, XML, CSS, HTML5/CSS3, Angular.JS, DHTML, JavaScript and JQuery.**
* Experienced in complete Software Development Life Cycle and major aspects of technological projects including Requirement Analysis, Design, Development, Database Design, Deployment, Testing, Debugging, and Application Maintenance.
* Experienced in implementing **Model View Control (MVC)** architecture using server-side applications like **Django and Flask** for developing web applications.
* Expertise in developing web based open stack applications for large dataset analysis using **Python and Django/Flask.**
* Experience with **Requests, Numpy, SciPy, Matplotlib, and Pandas** python libraries during development lifecycle.
* Good working experience in Business logic implementation, data exchange, XML processing and graphics creation has been done using **Python and Django.**
* Experience with Web Development, **Python and the Django framework.**
* Experience in **Python Unit test framework** for developing and implementing the unit tests using Test driven approach.
* Hands on experience in working with **Python ORM** libraries including **Django ORM and SQL Alchemy.**
* Experienced with **Python** frameworks like **Webapp2** and **Flask**.
* Very strong experience in writing **API’s/** and Web Services in **Python**.
* Experienced with **JSON** based **RESTful** web services, and **XML** based **SOAP** web services and worked on various applications using python integrated **IDEs** like **Eclipse, IntelliJ, Sublime Text and PyCharm.**
* Hands on experience in using of **Python scripts** to parse **XML and JSON** reports and load the information in database.
* Having good knowledge with AWS VPC, EC2, and S3 cloud platform. Created multiple VPC, Subnets in AWS as per requirements.
* Experience in migrating the **Django** database from **SQLite to MySQL to PostgreSQL** with complete data integrity.  Hands on experience in monitoring, developing and transforming data using **SQL.**
* Having experience in **Agile** Methodologies, **Scrum** stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Excellent communication and interpersonal skills and analytical skills and highly motivated team player with the ability to work independently.
* Ability to learn new technologies and avid knowledge hunter with excellent communication skills, strong architectural skills, hardworking and a good team worker

**Technical Skills:**

|  |  |
| --- | --- |
| **Languages** | Python, SQL |
| **Frameworks** | Django, Flask |
| **Python Libraries** | Numpy, Pandas, Matplotlib, Scipy. |
| **IDE’s** | Eclipse, PyCharm, PyDev |
| **Web Technologies** | HTML5, CSS3, JavaScript, Angular.JS, Bootstrap, AJAX, JQuery, JSON |
| **Web Services** | REST, SOAP |
| **Data Base** | SQL, MySQL, Oracle |
| **Methodologies** | Agile, Waterfall |
| **Operating Systems** | Windows (All Variants), LINUX/UNIX |

**Professional Experience:**

**Client: BMO Harris Bank, Chicago, IL. Aug 2019 – Till Date**

**Role: Python Developer**

**Responsibilities:**

* Involved in the **software development lifecycle (SDLC)** of tracking the requirements, gathering, analysis, detailed design, development, system testing and user acceptance testing.
* Developed entire frontend and backend modules using **Python**on **Django** including web Framework using **Git, CSS and JavaScript.**
* Implemented **MVC** architecture in developing the web application with the help of the **Django** framework.
* Used **Test driven approach (TDD)** for developing the application and implemented the unit tests using **Python**Unit test framework.
* Designed and developed a horizontally scalable **APIs** using **Python Flask.**
* Involved in writing scripts using python modules and its libraries like **NumPy, SciPy, Matplotlib, Pandas** to develop programs that improve processing of access requests.
* Designed front end using **UI, HTML5, Bootstrap, Node.JS, CSS3** and **JavaScript.**
* Used **Angular.JS** as the development framework to build a single-page application.
* Developed and tested many features for the user interface using **Python, Bootstrap, CSS, and JavaScript.**
* Developed user interfaces of the application using front end technologies and used **API's** developed using **Django REST** framework to pull data from the backend, showing it to the user.
* Implemented backend asynchronous task queue system for data processing pipelines using libraries/frameworks like **Django-Celery, RabbitMQ.**
* Automated data processing systems using libraries like Sub process, also sending notifications to users using **python SMTP** library.
* Involved in using collections in **Python** for manipulating and looping through different user defined objects.
* Used **PyQt** to implement **GUI** for the user to create, modify and view reports based on client data.
* Used **JQuery** for selecting particular **DOM** elements when parsing **HTML.**
* Worked with **JSON** based **REST** Web services.
* Optimized **SQL queries** used in batch processing and Wrote validation scripts in SQL to validate data loading.
* Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time.

**Environment:** Python, Django, Flask, MVC, TDD, NumPy, SciPy, Matplotlib, Pandas, HTML5, CSS3, JavaScript, Angular.JS, Bootstrap, Node.JS, PyQt, DOM, JQuery, JSON, REST, RabbitMQ, Agile and Windows.

**Client: Voya Financial, New York, NY. Jun 2018 – Jul 2019**

**Role: Python Developer**

**Responsibilities:**

* Participated in all stages of Software Development Life Cycle like Planning, Analysis, Design, Implementation and Testing.
* Involved in developing web-based open stack application using **Python and Django** for large dataset analysis.
* Used **Django** Framework in developing web applications to implement the **model view control** architecture along with **Django's ORM** model.
* Used **Django** framework to develop the application and used **Python** modules such as requests and urlib2 for web crawling.
* Developing **Python**Framework using **Django** to perform scan software unit monitoring.
* Developed user interfaces of the application using front end technologies and used **API's** developed using **Django REST** framework to pull data from the backend, showing it to the user.
* Developed real-time multi-tasking systems using **Python.**
* Worked on server-side applications with **Django** using Python programming and used python libraries like **Matplotlib, SciPy, NumPy** and built efficient **Node.js** backend for client web application.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML5, CSS3, JavaScript, and JQuery.**
* Developed efficient **Angular.JS** for client web based application.
* Worked with **Python** for data analysis and visualization purpose to get a better understand about the data.
* Used**Python** and **Django** creating graphics, **XML** processing, data exchange and business logic implementation.
* Used **Pandas** library for statistical Analysis, flexible reshaping and pivoting of data sets.
* Created User Controls and simple animations using **Python.**
* Used **Python** and **Django** to interface with the **JQuery UI** and manage the storage and deletion of content.
* Created **PL/SQL** stored procedures, functions and packages for moving the data from staging area to data mart.
* Worked as part of an **Agile/Scrum** based development team and exposed to **TDD** approach in developing applications.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.

**Environment:** Python, Django, Flask, MVC, Numpy, Pandas, SciPy, Matplotlib, HTML5, CSS3, JavaScript, Angular.JS, Node.JS, XML, JQuery, Pl/SQL, Agile, TDD and Windows.

**Client: Moda Health, Portland, OR. Mar 2017 – May 2018**

**Role: Python Developer**

**Responsibilities:**

* Involved in analysis, specification, design, and implementation and testing phases of **Software Development Life Cycle (SDLC)** and used **agile** methodology for developing application.
* Developed dynamic web pages using **python, Django** frameworks and Used **Django APIs** for database access.
* **Model View Control** architecture is implemented using **Django** Framework to develop web applications.
* Developed **Python** batch processors to consume and produce various feeds.
* Involved in building database Model, **APIs** and Views utilizing **Python** in order to build an interactive web based solution.
* Build all database mapping classes using **FLASK** models.
* Developed Merge jobs in **Python** to extract and load data into **MySQL** database.
* Used several Python libraries like **Python, NumPy and Matplotlib** and was involved in environment, code installation as well as the **SVN** implementation.
* Developed Web based Dynamic Form Builder using **HTML5, CSS3,** and **JavaScript Object-to-XML.**
* Integrated the dynamic pages with **Angular.JS** and **JQuery** to make the page’s dynamic
* Wrote **Python** scripts to parse **XML** documents and load the data in database.
* Used **Django** Migrations for designing and expanding of the database.
* Used **Python** based **GUI** segments for the front-end usefulness, for example, choice criteria, created test outfit to empower exhaustive testing using **Python.**
* Wrote Python scripts to parse **XML and JSON** documents and load the data in database.
* Worked in **MySQL** database on simple queries and writing Stored Procedures for normalization.
* Followed **AGILE** development methodology to develop the application.
* Interfacing with supervisors, systems administrators and production to ensure production deadlines are met.

**Environment:** Python, Django, Flask, MVC, Numpy, Pandas, Matplotlib, SVN, HTML5, CSS3, JavaScript, Angular.JS, XML, JQuery, JSON, MySQL, Agile and Windows.

**Client: Rent A Center, Plano, TX. Aug 2015 – Feb 2017**

**Role: Python Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Developed Business Logic using **Python** on **Django** Web Framework.
* Implemented Business logic, worked on data exchange, processed **XML** and **HTML** using **python** and its familiar framework **Django.**
* Implemented and enhanced **CRUD** operations for the applications using the **MVT (Model View Template)** architecture of **Django** framework and **Python** conducting code reviews.
* Performed web scarping operations using **urllib2** to pull out the information from a webpage. Used to extract tables, lists, paragraphs and filters to extract information from a webpage.
* Worked on different high-performance libraries like **Pandas, NumPy, SciPy, and Matplotlib** for handling huge data efficiently and provides graphical representation.
* Developed dynamic web pages using **HTML5, CSS3, Bootstrap, JQuery.**
* Created **Angular.JS** controllers, directives, models for different modules of the application.
* Created Business Logic using **Python** to create Planning and Tracking functions.
* Created Data tables utilizing **PyQt** to display customer and policy information and add, delete, update customer records.
* Wrote validation scripts in **SQL** to validate data loading.
* Involved in capturing the requirements for the serial functional interface and other software requirements specification document.

**Environment:** Python, Django, Numpy, Pandas, Matplotlib, HTML5, CSS3, Bootstrap, JQuery, PyQt, SQL and Windows.

**References:** Will be provided upon request.