

Navya

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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 urllib2 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.