

Shweta

Python Developer

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Professional Summary:

- 6+ years of professional experience as **Web/Application Developer** and coding using **Python, Django, Flask** and **Angular Versions**.
- Experienced with **Object Oriented Programming, Software Development Life Cycle**, Database designs, agile methodologies, coding and testing of enterprise applications.
- Experienced in AWS services like **EC2, IAM, S3, BOTO3, Elastic Beanstalk** and **Lambda**.
- Experienced in working with Angular concepts like Directives, Components, Router, Data Binding, Reactive Forms, Form Validations, pipes and Services.
- Expert knowledge of and experience in Object oriented Design and Programming concepts.
- Having working Knowledge of **Amazon AWS S3**.
- Proficient in configuring database packages such as **MySQL-Python** and in Backend Development with **Django** framework, delivering scalable backend solutions and APIs.
- Familiar with **JSON** based **REST** Web services and **Amazon Web services**.
- Experience in developing web applications implementing **Model View Template (MVT)** architecture using Django web application frameworks.
- Expertise in test automation and continuous delivery of web applications, client server applications, web services/REST APIs Testing, with Python.
- Experience in implementation of **Django** object-relational mapping layers (**ORM**) effectively.
- Experience in developing web services (**WSDL, SOAP** and **REST**) and consuming web services with python programming language.
- Well versed with design and development of presentation layer for web applications using technologies like **HTML, CSS**.
- Experience in List Comprehensions and Python inbuilt functions such as Map, Filter and Lambda.
- Enthusiastically managed multiple deadlines with priorities through proactively planning and managing tasks and resources.
- Experienced in working with various Python Integrated Development Environments (IDEs) such as **PyCharm, PyScripter, Spyder, PyStudio, and PyDev**, and in build and deployment of applications using **Maven** and Continuous Integration (CI/CD) tools such as Jenkins.
- Experience with **Cross Browser Compatibility** issues and **Optimization** for web, including CSS Sprites and best practices.
- Experience in writing SQL Queries, Stored Procedures, Triggers, Cursors, and Functions in **MySQL, Oracle** and **PostgreSQL** database and NOSQL MongoDB.
- Proficient in working with various **Python Integrated Development, PyCharm, Eclipse, Sublime Text** and **Notepad++**
- Experience with bug-tracking Jira, source code management tools **Git, GitHub**
- Experience in handling errors/exceptions and debugging the issues in large scale applications.
- Experience in taking performance optimization measures for website/web applications to reduce the response times and hence enhancing the end user experience.
- Possess good interpersonal, analytical presentation Skills, ability to work in Self-managed and Team environments.

Technical Skills:

Programming Languages	Python, SQL
Python Web	Django, Flask, web2py , Angular Versions
Cloud Technologies	AWS, S3, EC2
DATABASES	MySQL, PostgreSQL, SQLite, MS SQL, Oracle and MongoDB
IDE's	Visual Studio Code, PyCharm, Eclipse, Sublime text
Testing Frameworks	PyTest, Junit, JTest
Bug Tracking Tools	JIRA, ALM
Operating System	Windows, iOS, Android

Professional Experience:**Client:** Autozone, Memphis, TN**Aug 2022 – Till Date****Role:** Python Developer**Responsibilities:**

- Built **Single Page Applications (SPA)**, **Responsive Web Design (RWD)** UI, Rich Restful Service Applications, using **Angular 13**.
- Use the Model View Template (MVT) framework to build modular and maintainable applications.
- Utilized data binding in **Angular 13** to create dynamic relationship between templates and **TypeScript logic**.
- Developed views and templates with **Django's MVT (model, view, and template)** to create a user-friendly website.
- Created **RESTful** web services with **Django MVT, MySQL, and MongoDB**.
- Utilized several packages in the **Angular CLI** to create a more functional application.
- Interacted AWS resources with **python boto3**.
- Involved in designing application system requirements and coded back-end and front-end in **Django/Python**.
- Used many regular expressions in order to match the pattern with the existing one and store them in data base on a chronological basis.
- Worked with on **AJAX** framework to transform Datasets and Data tables into **HTTP-serializable JSON strings**.
- Created a very secure login/registration application using Django Auth package and securing on front end using proper restful services.
- Stored and consolidated the data in **MongoDB** using **PyMongo**.
- Involved in writing Python utilities and scripts to automate tasks in **AWS** using **boto3** and AWS SDK.
- Designed and implemented Continuous Integration and Continuous Deployment frameworks from code to deploy using **Jenkins**.
- Used **Git** version control system for collaborating with teammates and maintaining code versions
- Utilized **PyQt** to provide GUI for the user to create, modify and view reports based on client data.
- Developing scripts for build, deployment, maintain and related task using **Jenkins, Maven and Python**.
- Performed Branching, Tagging, Release Activities on **Version Control Tool GIT**.

Environment: Python, Django, Angular 13, Angular Material, MVT, TypeScript, Angular CLI, AWS, S3, Boto 3, JSON, Mongo DB, Jenkins, Maven, GIT, Agile, Windows.

Client: Synovus Bank, Columbus, GA**Jan 2021 – Jul 2022****Role:** Python Developer**Responsibilities:**

- Worked in **Agile** and **scrum environment** which includes daily stand up and sprint planning.
- Designed front end using **UI, HTML, Bootstrap, Angular 10, CSS3**.
- Used GitHub for version control and added support for Amazon AWSS3 and RDS to host static/media files and the database into Amazon Cloud.
- Developed functions and features and integrated the APIs in **Angular 10**.
- Involved in MVT using Django for web-based application in OOP concepts.
- Created **REST** architecture with **token-based authentication and authorization** and for consumers.
- Developing programs by using **Python Boto3 SDK** to implement security related tasks by using AWS Cognito service.
- Created data access modules in python. Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data.
- Used Angular Services for consuming REST API using **HTTP / AJAX libraries**.
- Used Python in-built libraries **urllib2** and **beautiful soup** modules for web scraping.
- Worked on front end frameworks like **CSS** and **Bootstrap** for development of simple web applications.
- Modify the existing **Python/Django** modules to deliver certain format of data.
- Design roles and groups for users and resources **using AWS Identity Access Management (IAM)**
- Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity.
- Used **Test driven approach (TDD)** for developing services required for the application.
- Used Maven script for building and deploying the application
- Used Docker plugins to setup Docker containers for build slave for Jenkins.
- Maintained version control of Python by using **GIT. (Merge, Branch, Push, and Commit)**.
- Inform through mail the compilation errors to the responsible team with error logs using **JIRA**.
- Handling the day-to-day issues and fine tuning the applications for enhanced performance.

Environment: Python, Django, Angular 10, HTML5, CSS3, MVT, AWS, Boto 3, Maven, Jenkins, GIT, Jira, Agile, Windows.

Client: Office Depot, Boca Raton, FL

Oct 2019 – Dec 2020

Role: Python Developer

Responsibilities:

- Involved in software development life cycle (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** Web Framework.
- Utilized data binding in Angular to create dynamic relationship between templates and TypeScript logic.
- Worked on server-side applications with Django using python programming and used python libraries like Node.js backend for client web application.
- Handled **exceptions** and **used-test cases** by writing **python-scripts** to refrain website from rendering **Error codes**.
- Worked with **caching** using **Django session** for better performance of the webpage.
- Involved in designing application system requirements and coded back-end and front-end in **Django/Python**.
- Used many regular expressions in order to match the pattern with the existing one and store them in data base on a chronological basis.
- Worked with on **AJAX** framework to transform Datasets and Data tables into **HTTP-serializable JSON strings**.
- Created a very secure login/registration application using Django Auth package and securing on front end using proper restful services.
- Developed web application using the Python and Django REST framework and deploy the API.
- Used **AJAX** to modify small portions of the web pages by sending a request to the server avoiding the need of reloading the entire web page
- Designed and managed API system deployment using fast http server and Amazon AWS architecture.
- Implemented **Restful** Services to develop **Rest API's** for various functionalities like managing inventory items, submitting form for customer management and handling purchase orders.
- Utilized JWT authentication to great effect to authenticate the user credentials.
- Used a combination Django models and Django serializers in order to pass data in JSON format to client side.
- Collect data that introspects the performance of query and update operations on a MongoDB instance.
- Writing Unit Test with PyUnit to test CRUD operations on the Django RESTful endpoints.
- Used **GIT** as the Version Control Tool and **Jenkins** for **CI/CD**.
- Interfacing with supervisors, artists, systems administrators, and production to ensure production deadlines are met.

Environment: Python, Django, HTML5, CSS3, AJAX, Rest API, JWT, Mongo DB, JSON, PyUnit, PyCharm, AWS, Boto 3, PyUnit, GIT, Jenkins, Agile, Windows.

Client: First Family Insurance, Fort Myers, FL

Feb 2018 – Sep 2019

Role: Python Developer

Responsibilities:

- Developed and designed **Python** based API (**RESTful** Web Service) to interact with company's website.
- Successfully implemented **Django** framework to design server applications.
- Wrote **Python** code and actively participated in the procedure to automate processes.
- Involved in building database Model, APIs and Views utilizing **Python**, in order to build an interactive web based solution.
- Developed Business Logic using **Python** on **Django** Web Framework.
- Designed and managed API system deployment using fast http server and **Amazon AWS** architecture.
- Utilized **PyQt** to provide GUI for the user to create, modify and view reports based on client data.
- Created **PyUnit** test scripts and used for unit testing.
- Developed Merge jobs in **Python** to **extract and load data** into **MySQL** database.
- Created a **Git** repository and added the project to **GitHub**.
- Utilized **Agile** process and **JIRA** issue management to track sprint cycles.
- Wrote validation scripts in SQL to validate data loading.
- Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

Environment: Python, Django, PYQt, AWS, DOM, HTML5, JSON, Rest, Apache Web Server, Git Hub, MySQL, LINUX.

Company: ANR Software Pvt Ltd, Noida, India

Jul 2015 – Aug 2016

Role: Python Developer

Responsibilities:

- Coded model level validation and provide guidance in making long term architectural design decisions and also used **Agile Methodology** and **SCRUM** process.

- Utilized the existing **Python and Django modules** and rewritten to deliver data in required formats.
- Built database Model, APIs and Views utilizing Python, to build an interactive web-based solution.
- Worked on **object-oriented programming (OOP)** concepts using **Python** and **Linux**.
- Embedded **AJAX** in **UI** to update small portions of the web page avoiding the need to reload the entire page.
- Used Python in-built libraries urllib2 and beautiful soup modules for **web scraping**.
- Designed **Django REST** web services using **Python** and **Django** to **get** and **post data**.
- Used Python and Django creating graphics, **XML** processing of documents, data exchange and business logic implementation between servers.
- Handled **exceptions** and **used-test cases** by writing **python-scripts** to refrain website from rendering **Error codes**.
- Using **Gitlab** for continuous integration and deployment and **Git** version control system for collaborating with teammates and maintaining code versions.
- Logged user stories and acceptance criteria in **JIRA** for features by evaluating output requirements and formats.

Environment: Python, Django, HTML5, CSS3, Oracle, Git, Jira, Agile, Windows.