Jhansi T
Python Developer
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Professional Summary:

- Over **8 years** of Professional IT experience as **Web/Application Developer** and coding using **Python, Django, Flask** and **Angular.**
- Working knowledge of **Agile methodologies, Scrum stories** and sprints in a **Python environment.**
- Development experience with **Model View Control architecture** utilizing **Python, Django**, and **Flask frameworks.**
- Expertise in developing **Single Page Applications (SPA)** using **Angular** using **Routing, Components, Services, Observables, Pipes, Custom Directives,** and **Route Guard.**
- Expert knowledge and experience in the concepts of **object-oriented design** and programming.
- Working knowledge of the **Amazon AWS S3 service.**
- Proficient in writing Cloud Formation Templates (CFT) in **YAML** and **JSON format** to build the **AWS services** with the paradigm of Infrastructure as a Code.
- Experience in implementing with server-side technologies with **restful API** and **Node JS** and **Django** framework.
- Experience in Object Oriented Analysis in developing **Python** Back-End framework using various design patterns.
- Good Knowledge on Python Scripting - Used data structures like tuples, lists, sets, dictionaries, object-oriented class-based inheritance features.
- Experienced in developing Web Services with Python programming language - implementing JSON based **RESTful** and **XML** based **SOAP** webservices.
- Proficient in developing web applications by implementing **Model View Template (MVT) architecture** using the **Django web application framework.**
- Experience with **Angular Versions, HTML5, CSS3** and presentation layer design and development for w**eb applications.**
- Having experience with databases like **MySQL** and writing **complex SQL, PL/SQL,** and **MongoDB queries.**
- Experienced in working with various Python Integrated Development Environments like **PyCharm, PyDev, and Sublime Text.**
- Programming experience using **Object-Oriented concepts,** such as **Multi-Threading, Exception Handling,** and **Collections.**
- Scripting experience in **Linux Bash** and following **PEP Guidelines in Python.**
- Experience with **Git, GitHub**, and **Jenkins** for version control and deployment.
- An enthusiastic self-starter with a strong interest in learning new technologies and a team player with excellent communication, organizational, and interpersonal skills.

Technical Skills:

Programming Languages	Python-3.X & 2.7, SQL and Shell Scripting
Frameworks	Django, Pyramid, Flask
Web Development (Front-End)	HTML5, CSS3, jQuery, AJAX, XML, Angular Versions
Databases Management System	MySQL, MS SQL, Oracle DB, MongoDB
Others	GIT
SDLC	Waterfall, Agile (Scrum)
Operating systems	Windows, iOS, Android, Linux

Professional Experience:

Dillons, Hutchinson, KS	**Sep 2022 – Till Date**
Python Developer	

Responsibilities:

- Assisted with tracking **requirements, collecting, analyzing, developing, system testing,** and **user acceptance** testing as part of the **software development life cycle (SDLC).**
- Implemented (SPA) single page applications using **Angular 12, Typescript, HTML5, CSS3,** and **Angular Material.**
- Actively involved in proof-of-concept development for a new application that uses **Angular 12.**
- Used **AWS Lambda** to implement the **Amazon Web Services Rest API Gateway.**
- Developed **AWS cloud formation templates** and configured **Auto Scaling for EC2 instances.**
- Designed and managed Amazon **AWS API system deployment** using a **fast HTTP server.**
- Utilized **CRUD operations** in **MongoDB** and handled database access and data transmission through **RESTful web services.**
- Integrate continuous integration system with **GIT version control** repository and build continuously as developer check-ins arrive.
- Consumed **REST API's** using **Angular services** and retrieved data from a database using Angular Pipes.
- Automated build system embedded in **Jenkins,** which saves builds into a repository.
- Contributed to **GitHub Enterprise** by creating a repository and pushing the code.
- Participated in Sprint planning meetings and daily **Agile SCRUM meetings.**

Environment: Python, Django, HTML5, CSS3, PyCharm, Angular 12, Node JS, RxJS, AWS, BOTO 3, GITHUB, Jenkins, Mongo DB, JIRA, Agile, Windows.

Client: Alpine Bank, Glenwood Springs, CO	**Dec 2020 – Aug 2022**
Python Developer	

Responsibilities:

- Utilized **Python** on **Django Web Framework** to develop entire frontend and backend modules.
- Used **Python Django framework**, **Angular 9/10**, and **Twitter Bootstrap**, I developed auxiliary web applications.
- Created a custom user by overriding the key field and adding more fields than those provided by Django's out-of-the-box features.
- To encrypt EBS volumes backing **AMIs, Bash, Python**, and **Boto3** were used.
- Tokenized sensitive data before archiving on **AWS S3** using **REST-based Enterprise Tokenization service** and encrypted the data before sending over wire.
- Developed real-time application using Python and RESTful web services and APIs using **Python, Django.**
- Involved in Python OOD code for **quality, logging, monitoring, and debugging** code optimization.
- Used Amazon Elastic Beanstalk with **Amazon EC2 instance** to deploy Django project into AWS. Configured continuous integration with **Jenkins** on **Amazon EC2.**
- Worked with **Boto3** as an interface for AWS API and **Tensor Flow** to make numerical computations using data flow graphs.
- Responsible for developing **JSON-based Web Services** using **REST** for sending and receiving data from external interfaces.
- Utilized **Django configuration** to manage **URLs** and **parameters.**
- The creation of **Python OOP code** for **monitoring, logging, debugging,** and quality assurance.
- Utilized json web tokens for authentication and authorization on a **restful web API service tier.**
- We stored the data as **JSON structure-based** documents in a **MongoDB collection.**
- Used **Git** for version control. Used **Jira** extensively for bug tracking and task management

Environment: Python, Django, HTML5, CSS3, Angular 9/10, JavaScript, AWS, Boto 3, Rest, JSON, GIT, Jira, Mongo DB, Agile, Windows.

American Fidelity Insurance, Oklahoma City, OK	**Jan 2019 – Nov 2020**
Python Developer	

Responsibilities:

- Created a user-friendly website using **Django's views** and templates.
- Interacted with clients during the initial **software development life cycle (SDLC)** of requirement gathering and suggesting system configuration specifications.
- Implemented data access modules in **Python**. Utilized **Python** with **Django framework** to design and develop components. Coded in Python for retrieving and manipulating data.
- Developed entire frontend and backend modules using **Python** on **Django Web Framework** with **GIT.**
- Utilized **fast HTTP servers** and **Amazon AWS architecture,** I designed and managed **API system deployments.**
- Reduced costs and optimized supplier selection for **CRM applications.** Utilized Object-Oriented Programming and **Class Builder** for **cross-application use.**
- Integrated **Python** and **Django** with **JQuery** to store and delete content.
- Developed **CI/CD** system with **Jenkins.**
- Implemented **RESTful web services** using **Django, MySQL,** and **MongoDB.**
- Created a reference guide for application developers to create software applications that use **DDN S3 (compatible with Amazon S3 API) or DDN OpenStack Swift APIs** to store data.
- Utilized **PyUnit** , the Python unit test framework, for the python applications.
- Wrote application-level code to interact with A**PIs, Web Servers,** and **JSON.**
- Monitored the project on **JIRA** for debugging purposes.
- Participated in code reviews using **GitHub pull requests**, improved code quality, and held peer meetings.
- Teamed up with managers and other staff to meet project goals on time.

Environment: Python, Django, REST, AWS, MongoDB, MySQL, PyUnit, Jenkins, GitHub, XML, Jira, Windows.

TBK Bank, Dallas, TX	**Apr 2017 – Dec 2018**
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.**
- Implemented the Drag and Drop functionality using React -Dragable thoroughly performed unit testing and integration testing.
- Involved in **Python OOP** code for quality, logging, monitoring, and debugging code optimization.
- Implemented **REST** calls to consume the **REST API's** using **Angular (GET**, **POST, UPDATE** and **DELETE)** methods.
- Used **Python** based GUI components for the **front-end functionality** such as **selection criteria**.
- Written **Python Scripts** to parse the **JSON** data and load into database.
- Built alert & monitoring scripts for applications & servers using **Python** & **Shell Script.**
- Designed **RESTful** web service for handling **AJAX** requests.
- Used **MySQL** as backend database and **MySQL dB** of python as database connector to interact with **MySQL server.**
- Developed a **RESTful web service** using Python and Django to retrieve and save data.
- Created methods (get, post) to make requests to the API server and tested **Restful API** using **postman.**
- **Using GIT** to maintain the version of the files used in the project including branching and tagging.

Environment: Python, Django, PyCharm, HTML5, JSON, MySQL DB, Postman, GIT, Windows.

Sportsman's Warehouse, Midvale, UT	**Sep 2015 – Mar 2017**
Python Developer	

Responsibilities:

- Developed **Python-based APIs** that interact with the company's website using **RESTful Web Services.**
- Implemented **Django framework** successfully to design server applications.
- Developed **Python code** and participated in the automation procedure. Developed a **web-based interactive application** using **Python** to build a **database model, APIs**, and views.
- Implemented Business Logic in **Python** using the **Django Web Framework.**
- Integrated **PyQt** into the **GUI** for creating, editing, and viewing client-specific reports.
- For unit testing, I created **PyUnit test scripts.**
- **Python Merge job** was developed to extract and load data into a **MySQL database.**
- Project has been added to **GitHub** and a **Git** repository has been created.
- **Agile process** was used to track sprint cycles using **JIRA issue management.**
- To validate data loading, I wrote **SQL validation scripts.**
- Maintained communication with supervisors, artists, system administrators, and production to meet production deadlines.

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