Technology Analyst

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PROFESSIONAL SUMMARY

- 7+ years of professional experience as a **Python Developer**, pro client coder in multiple languages and experience in Design, Development, Implementation of **Python**, **Django**, Flask, FastAPI and client - server technologies-based applications, RESTful services, **AWS**, MongoDB, Redis.
- Experienced in working with various stages of Software Development Life Cycle (**SDLC**), QA methodologies from project definition to post-deployment documentation.
- Experience with **Design, code, debug operations, reporting, data analysis** and **Web Applications** utilizing **Python**.
- Experienced in implementing **Object Oriented Python**, **Hash Tables** (**Dictionaries**) and Multithreading, Flask, NoSQL, Exception Handling and **Collections** using **Python**.
- Worked with MVW frameworks like **Django, Angular JS**, **HTML, CSS, XML, Java Script, jQuery, Bootstrap.**
- Experience in writing JSON REST APIs using **DRF.**
- Strong experience of software development in Python (libraries used: **libraries** – urllib3, requests, jwt, pyscopg2, pymongo for database connectivity) and **IDEs** – PyCharm, VS Code.
- Hands-on experience working with various Relational Database Management Systems (RDBMS) like **MySQL** & non- relational databases (NoSQL) like **MongoDB**.
- Experienced in developing Web Services with Python programming language - implementing JSON based **RESTful** and **XML** based **SOAP** web services.
- Experience in using Design Patterns such as **MVC**, Singleton and frameworks such as DJANGO, Ability in handling **Django ORM** (Object-Relational Mapper) and **SQLAlchemy**.
- **Pycharm** Proficient in performing Data analysis and Data Visualization using Python libraries.
- Scaling up projects using python tools like celery(queues).
- Experience in using Version Control Systems like **GIT to** keep the versions and configurations of the code organized.
- Experience in **UNIX/Linux shell** scripting for job scheduling, batch-job scheduling.
- Exposure to **CI/CD** tools - Jenkins for Continuous Integration, **Ansible** for continuous deployment.
- Extensively worked on **TeamCity** for continuous integration and for End to End automation for all build and deployments.
- Experienced with containerizing applications using **Docker**.
- Experience in maintaining and executing build scripts to automate development and production builds.
- Experience in **Amazon Web Services (AWS)** cloud platform like **EC2**.
- Designed the data models to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from **Aurora.**
- Experience in installing software using Pip command for python libraries like BeautifulSoup, numpy, scipy , **pyside** , python-twitter , **RabbitMQ** , celery , matplotlib,pandas data-frame , uuid and used PEP8 coding convention .
- Implemented automated local user provisioning instances created in **AWS cloud** and **google cloud.**
- Excelled on creating **AMI** (AWS Machine Images) that utilizes **ELB** (Elastic Load Balancer) and **Auto Scaling**. Experience with designing and configuring secure **Virtual Private Cloud (VPC)** through private and public networks in AWS by creating various **subnets, routing table, Network ACL, NAT gateways.**
- Experienced in developing **API** services in Python/Tornado, while leveraging **RabbitMQ** for distributed architectures.
- Experience with testing using PyTest.
- Experienced in building tools such as **ANT**, **Apache MAVEN**, and **JENKINS**.
- Good Experience on testing tools like **JIRA** for bug tracking. Experience in **building frameworks** and automating complex workflows using **Python** for **Test Automation** using **PyTest**

- Experience in implementing with server side technologies with restful **API** with **Django framework**.
- Hands on experience in using **NOSQL libraries** like **MongoDB**.
- Worked on **UNIX shell scripts** for business process and loading data from different interfaces.
- Experience in deploying applications in **EC2**.
- Good Knowledge in **Amazon AWS concepts** like **EC2 web services** which provides fast and efficient processing of **serving web apps**.
- Experiences with **SSH** (Secure **Shell**).

TECHNICAL SKILLS

Python Web Frameworks	Django, FastAPI, flask
Web Technologies	Bootstrap
Editors/IDEs	VS Code, PyCharm
Application/Web Servers	EC2, Apache
Web Services	SOAP, REST, AWS
Testing	POSTMAN
Methodologies	Agile, SCRUM
Version Control	Git
Build/CI Tools	Jenkins, Teamcity
Databases	PostgreSQL, MongoDB
Operating Systems	Windows, Linux, UNIX

Client: Infosys	
Role: Sr. Python Developer	May 2022 - Present

Responsibilities

- Gathering requirements and translating the **Business details** into **Technical design**.
- Participated in all the stages of software development lifecycle (**SDLC)** like design, testing development and implementation.
- Extensive experience in developing web applications using **Python 3.11**
- Developed entire backend modules using **Python** on **FastApi Web Framework** by implementing MVC architecture.
- Implemented routing and models within **FastAPI** applications for seamless user experiences.
- Developed the tools using **Python FastAPI** and used **MongoDB** for databases. Parsers written in Python for extracting useful data from the design data base. Used Parse kit (Enigma.io) framework for writing Parsers for ETL extraction.
- Participated in requirement gathering with the client
- Responsible for migrating all the old 3.7 based code to latest 3.11 code to prevent compliance issues
- Proficient in **Python**

- Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
- Experience in creating **teamcity** jobs for all the environments to deploy the code
- Setup Docker on Private cloud environment
- aws.
- Used JIRA to track issues in development.
- Developed Wrapper in Python for Kerberos authentications.
- Creating **RESTful** web services for different triage alerts with **Python, FastAPI**, and **MongoDB**.
- Fixed bugs, providing production support, enhanced applications by improving code reuse and performance by making effective use of various design patterns.
- Deployed and monitored scalable infrastructure on Private Cloud by MS
- Expertise in developing software applications using **Python and related technologies**
- Utilized automated testing frameworks such as Pytest to ensure comprehensive and reliable testing coverage for Python REST APIs and web applications
- Deployed Docker contained **Micro services** in to Docker container service using teamcity and oneui

Environment: Python 3.7/3.11, Pytest 7.x, RESTful web service, MongoDB, Docker, teamcity, UNIX, SSH.

Client: TCS	
Role: Sr. Python Developer	June 2021 – May 2022

Responsibilities:

- Worked in comprehending and examining the client's business requirements.
- Used **Django frameworks** and **Python** to build **dynamic webpages**.
- Developed tools for monitoring and notification using **Python**.
- Involved in designing database **Model, API's**, Views using python to build an interactive **web based solution**.
- Generated **Python Tornado** Forms to record data of online users.
- Implemented Data tables to **add, delete, update** and **display** patient records and policy information using PyQt.
- Implemented a module to connect and view the status of an **Apache Cassandra instance** using **python**.
- Developed **MVC** prototype replacement of current product with **Django**.
- Developed static and dynamic Web Pages using **HTML5**, **CSS4**,.
- Improved the **Data Security** and generated report efficiently by caching and reusing data.
- Created **UI** using **JavaScript** and **HTML5/CSS3**.
- Recorded the online users' data using **Python Django** forms and implemented test case using **Pytest**.
- Developed the application using the **TestDriven methodology** and designed the unit tests using **Python Unit test framework**.
- Involved in Developing a RESTful Web services using Python **Tornado** framework.
- Creating **RESTful** web services for Catalog and Pricing with **Tornado** and **MongoDB**.
- Installed and configured **Jenkins**, in **Linux** Environment and automated processes using **Jenkins**.
- Expertise in writing **Ansible** playbooks which is the entry point for **Ansible** provisioning, where the automation is defined through tasks using YAML format and ran **Ansible** Scripts to provision Dev servers
- Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
- Implemented Copy activity, Custom Azure Data Factory Pipeline Activities
- Successfully migrated the **Django** database from **SQLite** to **MySQL** with complete data integrity.
- Deployed the project into **Ansible Tower** using **GIT version** control system,
- Maintained and updated the application in accordance to the clientele's requirement.

Environment: Python 3, Tornado 1.6, Beautiful soup, HTML5, CSS/CSS3, Bootstrap, XML, JSON, Restful Web services, Apache spark, Linux, Git, Amazon s3, Jenkins, MySQL, Mongo DB

Client: ScoopWhoop Media
Role: Jr Python Dev   **July 2018 – Feb 2021**

Responsibilities:

- Developed in house CMS for the employees and the outsourced Employees
- Developed Social media manager using Python, Tornado and MongoDB
- Used Git to version control the code
- Deployed the code to **EC2** and used AWS Lambda to implement some logics.
- Created an **Alexa Skill** as a side project with in partnership with Amazon and Scoopwhoop
- Developed **ETL** Scripts

Client: Krasakart.com
Role: Jr Python Dev   **July 2016 – July 2018**

Responsibilities:

- Developed in house CMS for the employees and the outsourced Employees
- Developed customers order manager using Python and MongoDB
- Used Git to version control the code
- Deployed the code to **EC2** and used AWS Lambda to implement some logics.
- Developed **Scheduler** Scripts