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SUMMARY:

- 5+ years of experience as a Python Web/Application Developer with strong focus on analytical programming - performed data analysis and data visualizations.
- Extensive experience developing **RESTful web services** and implementing third party **REST API** using **Django, Flask** Framework.
- Experience in software development in Python (libraries used: **BeautifulSoup, NumPy, SciPy, matplotlib, python-twitter, OpenCV, Pandas** data frame, **MySQLdB** for database connectivity) as well as **IDEs- sublime text, Spyder, PyCharm, VS Code, emacs**.
- Experience in **Agile Methodologies, Scrum** stories and sprints experience in a Python-based environment, along with data analytics, data wrangling and Excel data extracts.
- Experience in developing web applications implementing **MVT/MVC** architecture using **Django**.
- Expertise in development of web-based applications using **Python, Bootstrap, HTML, XML, Angular, CSS, JavaScript and JSON**.
- Created controls dynamically leveraging Reactive Forms feature of **Angular** and also attached appropriate **validations** to those controls.
- Used **Angular** directives and filters for the user interface **MVC** architecture.
- Experience in **WAMP** (Windows, Apache, MYSQL, Python/PHP) and **LAMP** (Linux, Apache, MySQL, Python/PHP) Architecture.
- Experience implementing Object-relational Mapping (**ORM**) using **SQLAlchemy** and **ODM** for **MongoDB**.
- Experience with creating, querying, and maintaining databases with many **DBMS** such as **MySQL, MongoDB, SQLite, PostgreSQL, MS SQL, and Oracle**.
- Experience working with web servers such as **Apache**, and **Nginx** to deploy projects.
- Hands-on experience in **AWS Services** and related features such as **EC2, S3, ELB, EBS, IAM, AMI, Lambda functions, Route 53, Load Balancing** and **Boto3**.
- Experience deploying servers on **Elastic Beanstalk** and **Bitnami** and configuring **VPCs and Security Groups**.
- Experience with version control systems such as **Git** and testing frameworks such as **Unittest, PyTest**.
- Knowledgeable in debugging the applications monitored on **JIRA** using **Agile** methodology.

TECHNICAL SKILLS:

Programming Languages	Python, JavaScript, TypeScript, SQL
Databases	MySQL, MongoDB, MariaDB, SQLite, Oracle, PostgreSQL
Web Development	Angular, Django, Flask, JQuery, HTML5, CSS3, Bootstrap, REST, JWT, OAuth
Amazon Web Services (AWS)	EC2, IAM, AMI, RDS, Lambda, S3, VPC, Route 53, SNS, SQS, EBS
Modules	Unittest, Pytest, Numpy, Pandas, Request, Scipy, Matplotlib, BeautifulSoup, TKinter, pyQT, pyMong, SQLAlchemy
Tools	Git, Postman, MySQL Workbench, QT5 Designer, VS Code, Pycharm, FileZilla, DB Browser, WordPress, MS VS

PROFESSIONAL EXPERIENCE

COX COMMUNICATION, Sandy Springs, GA

August 2019 to Present

Contract – Six months contract (Gen Pact)

Role: Python Developer

Description:

Cox Communications is the largest private telecom company in America, and we proudly serve six million homes and businesses across 18 states. Responsible for the complete software development lifecycle (analysis, design, development, testing and migration to production). Infrastructure includes Informatica, Linux and relational databases. Developed new ETL code that will help drive business value across different parts of Cox Communications and analyzing, fixing, enhancing existing ETL code.

Responsibilities:

- Involved in all phases of **SDLC** including Requirements Gathering, Design, Analysis and Testing of customer specifications, Development, Implementation, and Deployment of the application.
- Wrote Python routines to log into the websites and fetch data for selected options.
- Experience in JWT based authentication for **RESTFUL API**.
- Designs and secure development practices into Agile development environments, QA teams, and Product planning (MRDs, PRDs, coding style guides, user stories, technical specifications, verification and testing methods, etc).
- Familiarity with browser, web service, and operating system security concepts
- Implemented User Login, Authorization and Authentication extending built in **Django** Administration.
- Experience in integrating data, profiling, validating, data cleansing transformation and predicting using **R / Python, SQL**.
- Worked on different file formats like csv and excel to read as well as write data.
- Developed backend web services using Python (**CherryPy, Django, SQLAlchemy**).
- Worked on resulting reports of the application and **Tableau** reports.
- Developed and tested many features for dashboard using **Python, Bootstrap, CSS, and JavaScript**.
- Wrote SQL Queries to enable **CRUD** operations in Basket Manager Tool.
- Designed search application system requirements and code backend and frontend in Python.
- Used **MongoDB** as a backend database and standard Django **ORM** in connection with **Python Django** framework.
- Developed rich user interface using **CSS, HTML, JavaScript, and jQuery**.
- Built database **model, Views** and **API's** using Python for interactive web based solutions.
- Created database using **MySQL**; write several queries to extract data from the database.
- Wrote scripts in Python for scraping data from HTML file.

Environment: MySQL, HTML, Python, Django, HTML5, CSS, XML, MS SQL Server, JavaScript, AWS, Bootstrap, MongoDB, SQLAlchemy, jQuery, Tableau.

JERSEY SHORE UNIVERSITY MC, Neptune City, NJ

April 2017 to July 2018

Role: Python Developer

Description: Jersey Shore University Medical Center is a NJ based Medical center delivering the most advanced programs and services in central New Jersey. The Hospital Management and Information System used in Jersey Shore University Medical Center is a comprehensive solution that automates the clinical, electronic medical records (EMR), administrative and inventory functions. I was assigned in the (PRM) Patient Registration Module that manages various types of patients such as inpatients, outpatients, accidents and emergencies, day care and referred patients. The system was implemented using Python Django framework to improve the operational effectiveness, reduce the cost and improve the quality of patient care. I was mainly involved in the design and the development of an API which communicates with the front-end code. I was primarily assigned to work on the Patient Search API, and responsible for writing API code related with the data insertion on various databases in a secure and scalable format.

Responsibilities:

- Involved in all phases of **SDLC** including Requirements Gathering, Design, Analysis and Testing of customer specifications, Development, Implementation, and Deployment of the application.
- Wrote Python routines to log into the websites and fetch data for selected options.

- Experience in JWT based authentication for **RESTFUL API**.
- Implemented User Login, Authorization and Authentication extending built in **Django** Administration.
- Experience in integrating data, profiling, validating, data cleansing transformation and predicting using **R / Python, SQL**.
- Worked on different file formats like csv and excel to read as well as write data.
- Developed backend web services using Python (**CherryPy, Django, SQLAlchemy**).
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- Wrote scripts in Python for scraping data from HTML file.

Environment: MySQL, HTML, Python, Django, HTML5, CSS, XML, MS SQL Server, JavaScript, AWS, Bootstrap, MongoDB, SQLAlchemy, jQuery, Tableau.

DELOITTE/HHSC, Austin, TX

January 2016 to March 2017

Role: Python Developer

Description: The Texas Health and Human Services Commission (HHSC) is an agency within the Texas Health and Human Services System. Its goal is to make the Health and Human Services System more efficient and effective. The YourTexasBenefits.com (YTB) is an online web portal which enables clients to apply for state sponsored benefits and manage their case details online. The application provides User Interface which assists the Accounts department to reconcile the transactions originating from the processor's daily XML extract. I was mainly involved in development of this application by adding new features to the backend to help support the UI and in performing Rest API testing using Postman.

Responsibilities:

- Involved in all phases of **SDLC** including Requirements Gathering, Design, Analysis and Testing of customer specifications, Development, Implementation, and Deployment of the application.
- Utilized the **Django MVT** framework to separate presentation logic from business logic.
- Developed **views** and **templates** with **Python** and **Django** view controller and templating language to create user-friendly website interface.
- Used the **Django** Framework to develop the application and Build all database mapping classes using Django models.
- Used **HTML, CSS, Bootstrap** to create a user interface that is presentable. Used jQuery and Ajax to make the user interface responsive.
- Used **Django authentication** system to block certain views from unauthorized users. Utilized User and Group models to implement authentication.
- Collected patient information from users using Django forms. Stored relevant information into a **MySQL** database.
- Utilized **QuerySets** and **Django ORM** to synchronize data between the backend and the database.
- Wrote unit tests using **Django.test** and **unittest** to verify the integrity of project during development.
- Tested correctness of database implementation using **MySQL Workbench**.
- Used **Git** software version control to allow simultaneous development.

Environment: Python, Django, REST, Flask, MySQL, PostgreSQL, HTML, Bootstrap, CSS, Tableau, Tomcat, Apache.

CASHCALL, Orange, CA

January 2014 to December 2015

Role: Python Developer

Description: CashCall, is one of the nation's premier lenders. It specializes in low interest mortgage and home refinancing or borrowers with good to excellent credit. CashCall Mortgage streamlines the application and lending process, reducing the costs and passing on the savings to customers. I was a part of the team that focused on data entry module, providing maintenance and support in this area. I worked on the development of unified deal module that provided operations on storing the data retrieved using API. Additionally, I worked on production issues in the application that required detecting errors in the code across different modules and reporting it to appropriate team.

Responsibilities:

- Involved in various phases of **SDLC** including Requirements Gathering, Development, Design, Analysis and testing of the project.
- Designed and developed customer preferences portal in **Python** using **Django** framework.
- Automated the deployment of applications as portable, self-sufficient containers that can run on the cloud or on-premises using **Docker**.
- Customized user registration with two steps (inactive user creation and email activation).
- Designed User Interface to leverage **HTML, XHTML, AJAX, CSS** and **JavaScript**.
- Implemented **Ajax** calls to get, post, delete **REST API** calls for upload and delete files.
- Implemented web scraping using Python's **BeautifulSoup** library.
- Worked with **Pandas** for automatic and explicit data alignment, easy handling of missing data and performed Data framing, Data Analysis, and Data representation.
- Worked on writing as well as reading data from CSV and excel file formats.
- Worked on data analysis and data mining algorithms using **teradata**.
- Achieved business process automation via applications developed using **Git, Jenkins, MySQL** and custom tools developed in **Python** and **Bash**.
- Used **ETL** process for continuously bulk-importing catalog data from **MySQL** into Elastic search.
- Wrote python scripts to perform **CRUD** operations on **MySQL database**.
- Experience in automation via Bash/shell scripting and Python programming.
- Involved in **Unit testing** and Integration testing of the code using **PyTest**.
- Involved in Sprint planning sessions and participated in the daily **Agile SCRUM** meetings.

Environment: Django, Python, JavaScript, MongoDB, XML, SOAP-based web services, Apache Web Server, ORM, Tomcat, terrara.

EDUCATION

M.S. in Business Analytics, New Jersey Institute of Technology, Newark, NJ, 2013

Bachelors in Applied Science, Kean University, NJ, 2011