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PYTHON DEVELOPER

Professional Summary:

- Having **8 Years** experience in systems analysis, design, development and implementation of Web Applications.
- Experienced with full software development life-cycle, architecting scalable platforms, **object-oriented** programming, database design and agile methodologies.
- Experienced in **LAMP** (Linux, Apache, MySQL and Python), **WAMP** (Windows, Apache, MySQL, Python) architecture.
- Excellent experience with **Python** development under **Linux OS** (Debian, Ubuntu, SUSE Linux, RedHat Linux, Fedora).
- Experience with several Python packages like **Numpy, Matplotlib, Scipy, PyQt, wxPython, Pandas and PyTables**.
- Experience in developing web applications by following Model View Control (MVC) Architecture using server-side application **Django**.
- Excellent understanding of machine learning techniques and algorithms, such as **K-NN, Naive Bayes, SVM**, Decision Forests, Random Forest etc.
- Capable of implementing **RESTful APIs** for communication between different components of applications, contributing to Montreal-based software projects.
- Experienced in Full stack application development using **Python 3.x, Python 2.7, Django, Flask, TypeScript, Vue.js**.
- Experience in Amazon Web Services (AWS) Cloud services such as **EC2, EBS, S3, VPC**, Cloud Watch, and Elastic Load Balancer, Red Shift.
- Experience in developing web services (**WSDL, SOAP and REST**) and consuming web services with python programming language.
- Very good experience with cloud platforms like **Amazon AWS, Azure and GCP**.
- Experience in working with **Python ORM** Libraries including **Django ORM**.
- Good experience with **Python** frameworks like **Django and WebApp2**.
- Experienced in working with various Python Integrated Development Environments like **NetBeans, PyCharm, PyScripter, PyDev, Eclipse and Sublime Text**.
- Proficient in Front end development experience using **HTML5, XML, Flask, CSS, jQuery, JSON, JavaScript, Angular.js**, and Bootstrap.
- Reduced release cycles by X% by optimizing CI/CD pipelines and introducing parallel testing.
- Experience implementing **Object Oriented Python, Hash Tables** (Dictionaries) **and Multithreading, Django, MYSQL**.
- Experience using version control system such as **GIT**.
- Experience in relational databases like **Oracle MS SQL server, developing PL/SQL packages**, Stored
- Having experienced in **Agile** Methodologies, Scrum stories and sprints experience in a **Python** based environment, along with data analytics, data wrangling and Excel data extracts.
- Ensured quality and deadlines using **Jenkins, Pylint, Git Hub, SVN and JIRA**
- Excellent communication and interpersonal skills with ability to interact with individuals at all levels and can work as a part of team as well as independently.

Technical Skills:

Languages	Python 3.x, SQL, C, C++, Java Shell scripting, Perl
Python Libraries	Scikit- learn, Numpy, Scipy, Matplotlib, Pandas, Regression and Classification Algorithms
IDE'S	Eclipse, PyCharm
Databases	MS SQL, MySQL, Oracle, AWS, Google Cloud, Oracle, Google Big Query, Apache Cassandra, PostgreSQL, Teradata, Google Storage. Confidential Web Services (AWS), Open stack, Docker Puppet, Chef, Ansible, AWS CloudFormation AWS CloudFront
Web Technologies	XML, CSS3, HTML5, DHTML, JavaScript, jQuery, Flask, Django, Bootstrap, RESTful, AJAX, Angular JS, Java Script
Web Services	SOAP, REST
Methodologies	Agile, Scrum

Operating Systems	Window, UNIX, Linux
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Professional Experience:

Client : AT & T – Dallas, TX

Oct 2023 – Till Date

Role: Python Developer

Responsibilities:

- Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
- Developed multi-threaded standalone app in **Python**, to view Circuit parameters and performance.
- Deployed project into Amazon Web Services (AWS) using Amazon Elastic Beanstalk.
- Developed web applications in **Django Framework's** model view control (MVC) architecture and manipulated databases by using **Django database API** along with **MySQL**.
- Created a **Python, Django** web-based application using Python scripting for data processing and **MySQL** for database, **HTML5, CSS and JQuery** for data visualization.
- Developed entire frontend and backend modules using Python on **Django** Web Framework.
- Provided GUI utilizing **PyQt** for the end user to create, modify and view reports based on client data.
- Using **Amazon EC2 command** line interface along with **Bash/Python** to automate repetitive work.
- Designed and Developed User Interface using front-end technologies like **HTML5, CSS3, JavaScript, Bootstrap** and **JSON**.
- Performed data processing using **Python libraries** like **NumPy** and **Pandas**.
- Performed data imputation using **Scikit-learn** package in Python.
- Worked with data analysis using **Matplotlib** and **seaborn** libraries to do data visualizations for better understanding.
- Used **JQuery** for all client-side **JavaScript** manipulation.
- Developed the application using the **TestDriven methodology** and designed the unit tests using **Python Unit test framework**.
- Used **Python** to place data into **JSON files** for testing **Django** Websites.
- Developed entire frontend and backend modules using **Python** on **Django** Web Framework.
- Experience with database technologies like **MongoDB, MySQL, and PostgreSQL**.
- Implemented and maintained configuration management tools like Puppet, Chef, or Ansible to manage and enforce infrastructure and application configurations.
- Orchestrated complex deployments using tools like **Kubernetes or Docker** Swarm to enable efficient scaling and management of containerized applications.
- Worked in an **agile** development environment.
- Created multiple **Python and UNIX shell Scripts** for various application-level tasks.

Environment: Python 3.6/3.7, Django2.2, AWS, PyQt, Agile, Angular.js, JQuery, CSS3, DHTML, HTML5, JavaScript, Bootstrap, GitHub, Shell Scripts, Restful API, MySQL, LINUX, and Windows.

Client: US Bank – NYC, NY

Oct 2022 - Sep 2023

Role: Python Developer

Responsibilities:

- Responsible for gathering requirements, system analysis, design, development, testing and deployment.
- Rewrite existing **Python/Django** modules to deliver certain format of data.
- Developed GUI using **webapp2** for dynamically displaying the test block documentation and other features of **Python** code using a web browser.
- Used **Python** module named **Pandas** for data manipulation.
- Involved in building database **Model, APIs** and Views utilizing **Python**, to build an interactive web-based solution.
- Wrote **Python** scripts to parse **XML** documents and load the data in database.
- Used **Wire shark, live http headers**, and **Fiddler2** debugging proxy to debug the **Flash object** and help the developer create a functional component.
- Developed data transition programs from DynamoDB to AWS Redshift (ETL Process) using AWS Lambda by creating functions in Python for the certain events based on use cases.
- Created **Python Scripts** to automate **AWS** services which includes **Web servers, ELB, Cloud Front**

- **distribution**, database, **EC2** and database security groups, **S3 bucket** and application configuration.
- Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **CSS3, HTML5, JavaScript, Angular.js and JQuery**.
- Used **JQuery** for all client-side **JavaScript** manipulation.
- Responsible for gathering requirements, system analysis, design, development, testing and deployment.
- Used **Django** Database API's to access database objects.
- Used **Python** module named Pandas for data manipulation.
- Involved in building database **Model, APIs** and Views utilizing **Python**, to build an interactive web-based solution.
- Managed datasets using **Panda data frames** and **MYSQL**. Queried the database queries
- Wrote **Python** scripts to parse **XML** documents and load the data in database.
- Utilized **Python** in the handling of all hits on **Django** and other applications.
- Created **Python Scripts** to automate **AWS** services which includes **Web servers, ELB, Cloud Front distribution**, database, **EC2** and database security groups, **S3 bucket** and application configuration.
- Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **CSS3, HTML5, JavaScript, Angular.js and JQuery**.
- Responsible for delivering datasets from Snowflake to One Lake Data Warehouse and built CI/CD pipeline using **Jenkins and AWS lambda** and Importing data from **DynamoDB** to Redshift in Batches using Amazon Batch using TWS scheduler.
- Implemented and maintained collaboration tools like Slack, Jira, or Confluence to streamline communication and project management processes.
- Used **Python** to place data into **JSON files** for testing **Django** Websites.
- Used **GIT** control tool to coordinate team-development.
- Have experience with **Apache Kafka, Apache Hadoop, or Apache Cassandra** using Scala, ability to process and analyze large volumes of data.

Environment: Python 2.7, Django,1.6 webapp2, Wire shark, Fiddler2, Flash, Angular.js, HTML5, CSS3, JQuery, AWS, Shell Scripting, Java Script, jQuery, JSON, MySQL, Git, Apache and Linux.

Client: NavTech – Hyderabad, India

Aug 2019 – Jun 2022

Role: Python Developer

Responsibilities:

- Exposed to various phases of **Software Development Life Cycle using Agile - Scrum** Software development methodology.
- Developed views and templates with **Python** and **Django's** view controller and templating language to create a user-friendly website interface.
- Developed the customer complaints application using **Django Framework**, which includes **Python code**.
- Implemented web applications using Django framework following MVC architecture.
- Developed **Restful API's** using **Django and SQL Alchemy** data models as well as ensured code quality by writing unit tests using **PyTest**.
- Worked on JavaScript MVC Framework like **Angular.js**.
- Worked on **Python** Open stack API's.
- Development of **Python APIs** to dump the array structures in the Processor at the failure point for debugging.
- Worked on **Python Open stack API's** used **Python scripts** to update content in the database and manipulate files.
- Utilized Python libraries **wx Python, NumPy, Twisted and matplotlib**.
- Developed in Windows and going to deploy it in **Linux server**.
- Used **Python library Beautiful Soup** for web scrapping to extract data for building graphs.
- Created entire application using **Python, Django, MySQL and Linux**.
- Created Data tables utilizing **PyQt** to display patient and policy information and add, delete, update patient records.
- Involved in web designing using **HTML 5, XHTML, CSS 3, JQuery, JavaScript** extensively used Table less Design in **CSS** for positioning.
- Developed the required **XML Schema** documents and implemented the framework for parsing **XML** documents.
- Used **jQuery and Ajax calls** for transmitting **JSON** data objects between frontend and controllers.
- Created a **Git** repository and added the project to **GitHub**.
- Utilize **PyUnit**, the **Python** unit test framework, for all **Python** applications.

Environment: Python, Django, SQL Alchemy, PyTest, PyQt, Beautiful soup, Angular.js, XML Schema, Java Script, AJAX, JQuery, JSON, MySQL, Git, Apache, Linux and Windows.

Client: ADP - Hyderabad, India

Dec 2016 – July 2019

Role: Python Developer

Responsibilities:

- Requirement Analysis and Estimation of project timelines.
- Created Business Logic using **Python** to create Planning and Tracking functions.
- Developed **Python** batch processors to consume and produce various feeds.
- Developed internal auxiliary web apps using **Django framework** with **CSS / HTML** framework.
- Involved in designing, constructing and documenting various object-oriented applications using UML, Rational Rose.
- Built database Model, Views and API's using **Python** for interactive web-based solutions.
- Used **Python scripts** to update the content in database and manipulate files.
- Designed and developed the presentation layer/client end using **HTML, XML, DHTML and JSP**.
- Wrote **SQL Queries**, Store Procedures, Triggers and functions in **MySQL** Databases.
- Coordinate with SMEs, other architects, and senior technical staff to identify client's needs, document assumptions, and build-out new requirements and move code through user acceptance testing.
- Implemented Test Driven Development (TDD) strategy for the project.
- Developed and executed User Acceptance Testing portion of test plan.

Environment: Python, Django, HTML5, CSS3, JSP, XML, TDD, SQL, MYSQL and Windows.