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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:**

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| --- | --- |
| **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 |

**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 f**or 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.