**ISHA JAJOO, Seattle(WA)**

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**PH: 425-900-3983**

**Full stack Python Developer**

**Visa:h4 EAD**

**Remote  
  
Professional Summary:**

* Around 9 years of experience as a Web Developer and Software Engineer using Python
* Good Experience with Django, a high-level Python Web framework. Experience in object oriented programming (OOP) concepts using Python, Django and PHP
* Experienced in developing web-based applications using Python, Django, XML, CSS, HTML, JavaScript, Angular JS and JQuery
* Experience object oriented programming (OOP) concepts using Python
* Experienced in WAMP (Windows, Apache, MYSQL, Python/PHP) and LAMP (Linux, Apache, MySQL, Python/PHP)
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache WebSphere
* Understanding of Python Best Practices (PEP-8)
* Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript
* Familiar with JSON based REST Web services and Amazon Web Services(AWS)
* Experienced in developing Web Services with Python programming language
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and SQL Server database
* Engaged in agile and waterfall methodologies with high quality deliverables delivered on-time
* Maintained detailed documentation and architectural solutions in IT infrastructure and sales systems
* Experience with Unit testing/ Test driven Development (TDD), Load Testing
* Created video publishing toolkit using WordPress (PHP/MySQL) and JavaScript to allow easy uploading of video by non-technical content mangers
* Architected the required XML Schema documents and incorporated the framework for parsing XML documents
* Participated in Unit testing and Integration testing
* Operated on AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings
* Experience in working with Python libraries for data manipulation and analysis
* Knowledge of machine learning algorithms for deep data analysis or predictive analysis
* Familiar with designing and developing dashboards for power users to analyze
* Excellent communication, interpersonal and analytical skills and a highly motivated team player with the ability to work independently
* Practical experience with working on multiple environments like development, testing, production
* Excellent analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player

**Technical Skills:**

* **Programming Languages:** Python, SQL
* **Web Development**: Django, Flask, HTML, CSS, JavaScript
* **Databases**: PostgreSQL, MySQL, MongoDB
* **Frameworks and Libraries**: Pandas, Flask, NumPy, SQLAlchemy, Django REST Framework, Bootstrap, NodeJS
* **Version Control**: Git, SVN
* **Cloud Services:** AWS, S3, Glue, Fargate, Cloud formation template, Step Functions
* **Testing:** Unit Testing, Test-Driven Development (TDD)
* **DevOps:** Docker, Kubernetes
* **Agile Methodologies**: Scrum, Kanban
* **Data Warehousing**: Amazon Redshift, Google BigQuery, Snowflake
* **ETL Tools:** Apache Spark, Apache Airflow, Informatica
* **Web Servers**: Apache Tomcat, WebSphere, WebLogic
* **OS:** Windows, Linux, MacOS

**Professional Experience**

**Python Developer**

**Amazon.com, Seattle, WA July 2022 to March 2023**

**Responsibilities:**

* Architected a scalable e-commerce platform using Python and Django with 99.99% uptime and 30% faster load times that increased revenue by 20% in the first quarter
* Implemented user authentication, product catalog, shopping cart, and payment integration features for a high-traffic e-commerce website serving thousands of users
* Exercised secure user authentication and authorization using JWT (JSON Web Tokens) and Flask-Security resulting in increased user trust and enhanced data protection, leading to a 80% reduction in security incidents
* Improved query response time by 50% through the optimization of the database schema using SQLAlchemy ORM and PostgreSQL, enabling faster data retrieval and processing
* Collaborated with designers to create responsive and user-friendly front-end interfaces using HTML, CSS, and JavaScript that seamlessly adapt to different screen sizes and devices, resulting in improved cross-platform user experience
* Successfully utilized Flask-WTF for form validation, ensuring 90% reduction in data input errors and improving the accuracy and integrity of user-submitted data
* Improved user experience by optimizing database queries using Django ORM and indexes, resulting in a 85% decrease in page load time and enhanced overall application performance
* Conducted comprehensive unit testing and end-to-end testing, achieving a test coverage of over 90% for critical functionalities
* Implemented a Flask application for a reporting module that reduced report generation time by 50%, streamlining the process and improving overall productivity.
* Imported boto3 library for integrating with AWS services
* Provided valuable feedback during code reviews that resulted in a 65% reduction in code defects and improved overall code maintainability
* Worked in an Agile environment, actively participating in daily stand-ups, sprint planning, and retrospective meetings
* Demonstrated continuous Django ORM for efficient database interactions and efficient query execution
* Deployed Linux bash scripting to build robust and automated workflows, resulting in a 75% reduction in errors and improved data accuracy
* Integrated third-party APIs for seamless functionality, such as payment gateways and social media integrations
* Operated closely with front-end developers to integrate API endpoints and ensure seamless data flow
* Contributed to the development of an e-commerce application using Python, Flask, and PostgreSQL
* Contributed to the ongoing maintenance of the application on AWS and Docker, performing regular updates, monitoring, and troubleshooting for a period of 9 months

**Environment**: Python 3.11, Django, HTML5, CSS3, JavaScript, TDD, Angular.js, MySQL, SQL, Agile, Windows, MacOS**,** Flask

**Python Developer**

**Symphony AI Nov 2020 to April 2022**

**Responsibilities:**

* Arbitrated a data analysis dashboard using Python, Flask, and JavaScript using Visual Studio Code Editor.
* Integrated with PostgreSQL and MongoDB for data storage and retrieval.
* Worked in Linux environment and bash scripting to manage the packages, setup the environment and ensure file permissions and security.
* Applied Pandas and NumPy for data processing and executed interactive visualizations.
* Collaborated with data scientists to implement complex algorithms and models for data analysis.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Validated scripts in Python for extracting data from HTML5 file.
* Architected user interfaces and client displays using Java Script, CSS3 and troubleshoot various issues in Python code and fix them with code enhancements.
* Implemented MVT architecture in developing the web application with the help of Django framework.
* Customized Python code to gather the data and designed the solution to implement using PySpark.
* Written numerous Django views (class based) and templates for page rendering.
* Defined different REST APIs and Django framework with using Python scripting.
* Participated in designing and developing interactive User Interfaces, usability, web and client/server applications using HTML5, CSS3, Bootstrap, JavaScript and JQuery.
* Used NumPy, SciPy, Matplotlib libraries for n-dimensional representation of data and plotting graphs.

**Environment**: Python 3.11, Django, HTML5, CSS3, JavaScript, TDD, JDBC, Angular.js, MySQL, SQL, Agile, Windows, MacOS

**Python Developer**

**Allscripts September 2018 to November 2020**

**Responsibilities:**

* Translated complex business requirements into technical design for enterprise-level projects.
* Generated Python Django forms to maintain a record of Physician documents.
* Taken part in the Design, development, test, deploy and maintenance of the website. UI was created using HTML, AJAX, CSS, JavaScript and Bootstrap.
* Revamped end to end web development framework using FastAPI
* Consolidated entire frontend and backend modules using Python on Django Web Framework. Generated property list for every application dynamically using Python.
* Structured internal auxiliary web apps using Django framework with CSS3/HTML5 framework. Implemented Test Driven Development (TDD) strategy for the project.
* Widened Python batch processors to consume and produce various feeds. Created database access layer using JDBC and PL/SQL stored procedures.
* Employed Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Responsible for search engine optimization to improve the visibility of the website. Developed Merge jobs in Python to extract and load data into MySQL database.
* Took advantage of Angular.JS built-in directives, custom directives and services for developing interceptor and complex UI data table grids.
* Harnessed Python specific tools including Django, Django Rest Framework, Django ORM, SQL Alchemy.
* Performed Unit testing, Integration Testing, GUI and web application testing using Spec.
* Scripted SQL Queries and implementing stored procedures, functions, packages, tables, views, Cursors, triggers.
* Worked in MySQL database on simple queries and writing Stored Procedures for normalization and renormalization.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.

**Environment**: Python 3.11, Django, HTML5, CSS3, JavaScript, TDD, JDBC, Angular.js, MySQL, SQL, Agile, Windows, MacOS

**Python Developer**

**Larsen & Toubro Infotech Oct 2014 to August 2018**

**Responsibilities:**

* Wrote Python scripts to parse XML documents and load the data in database.
* Advanced tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Used JavaScript and JSON to update a portion of a webpage.
* Engineered multi-threaded standalone app in Python to view Circuit parameters and performance.
* Conceptualized views and templates with Python Django's view controller and templating language to create a web interface.
* Formed Business Logic using Python on Django Web Framework.
* Involved in back-end development using Python with Flask framework.
* Reinforced front end frame works like Bootstrap for responsive Webpages for Single page application.
* Built Python batch processors to consume and produce various feeds.
* Successfully migrated the Django database from SQLite to MySQL with complete data integrity.
* Created test harness to enable comprehensive testing utilizing Python.
* Performed testing using Django's Test Module.
* Architected backend development and front-end application using Python, Django and PostgreSQL for database.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Prepared test data files using Linux Shell scripts, Perl script as per the business requirements.
* Devised in consuming RESTful web services using jQuery and React.js along with JSON parsing to render the response data to User Interface.
* Designed and prepared data management system using MySQL.
* Used python scripts to update content in the database and manipulate files.
* Evolved web applications implementing MVT architecture using Django, Flask.
* Worked on API's deploying queries, status codes, requests to retrieve data in JSON format
* Coordinated with team members to improve quality assurance and mitigate risks.

**Environment**: Python, PyQt, PyQuery, Django, MVW, HTML5/CSS3, Shell Scripting, JSON, NumPy, jQuery, GitHub, MVT, SQL, Oracle, Windows.

**Education:**

**B.E in IT from RGPV, India**