**Jennifer Singh**

**Python Developer**

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**Work summary**

* Over 8+ years of experience as a Web Application Developer and Software Engineer using Python, Django.
* Hands-on-experience on python web application development using Django and Serverless framework.
* Worked in Python Integrated Development Environments like NetBeans, PyDev and Sublime Text.
* Experienced in developing web-based applications using Python, Django, XML, CSS, HTML, DHTML and JavaScript
* Experience in developing python scripts for automation and performing functional tests and data validation.
* Excellent knowledge of OOPS, Multi-Threading and Collections concepts and in Python. Used Pandas library for Statistical Analysis.
* Experience in data analysis and machine learning techniques with hands-on-experience on various python libraries like NumPy/Pandas/SciPy.
* Good experience with Amazon Cloud EC2, Simple Storage Service S3
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache.
* Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, Bootstrap and JavaScript.
* Expertise in working with server side technologies including databases, Restful API and MVC design patterns.
* Hands on Experience with parallel computing, multithreading, Experience with JSON based REST Web service
* Experienced in developing Web Services with Python programming language.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database
* Excellent knowledge of Databases concepts like RDBMS (My SQL&Mongo DB).
* Excellent debugging, problem-solving, optimization and testing skills.
* Highly motivated, dedicated, quick learner and have proven ability to build and manage a team and work individually.
* Excellent written and oral communication skills with results-oriented attitude.

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**Citrix Systems Inc –**

**Fort Lauderdale, FL July 2016 to Present**

**Responsibilities:**

* Participate in requirement gathering and analysis phase of the project in documenting the business requirements by conducting workshops/meetings with various business users.
* Worked with team of developers on Python applications for RISK management
* Developed Python/Django application for Google Analytics aggregation and reporting.
* Used UML Rational Rose to develop Use-case, Class and Object diagrams for OOA/OOD techniques.
* Built database Model, Views and API's using Python for interactive web-based solutions.
* Placed data into JSON files using Python to test Django websites.
* Created Unit test/ regression test framework for working/new code
* Developed and Tested Embedded Linux Applications using C, C++ for remote diagnostics, OTA flashing of devices, File system libraries, automation tool kits.
* Documenting and Log analyzing the Cisco PIX series firewall Used Pandas library for statistical Analysis
* Support Network Technicians as they require training & support for problem resolution including performing diagnostics, & configuring network devices
* Used Network Monitoring tool to manage, monitor and troubleshoot the network.
* Worked on FTP, HTTP, DNS, DHCP servers in windows server-client environment with resource allocation to desired Virtual LANs of network.
* Developed 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.
* Troubleshoot and resolved dynamic routing, Ethernet switching and host connectivity issues in a window and network environment
* Troubleshoot wiring problems and serial communication lines
* Develop, plan and maintain documentation necessary for operation in support of LAN to WAN connectivity.
* Configured 2600, 2900 and 3600 routers with RIP and EIGRP.
* Also used Bootstrap as a mechanism to manage and organize the html page layout.
* Used Django configuration to manage URLs and application parameters.
* Wrote and executed various MYSQL database queries from Python using Python-MySQL connector and MySQL dB package.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Used LINUX as trouble shooter for systems
* Involved in debugging the applications monitored on JIRA using agile methodology.

**Environment:** Python 2.7, Django 1.4, Amazon AWS S3, MySQL, HTML5, CSS, XML, MySQL, MS SQL Server, JavaScript, AWS, Linux, Shell Scripting, PHP, AJAX, Cassandra, Backbone JS, J Query, Mongo DB, Git, GitHub, JAVA

**Python Developer**

**Nielson, NY January 2013 to May 2016**

**Description:** Nielsen is one of the world's leading suppliers of marketing information, independent measurement and Data Company for fast-moving consumer goods, consumer behavior, and media.

**Responsibility:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Participated in the complete SDLC process.
* Created Business Logic using Python 2.7.
* Used Django framework for application development.
* Utilized PyUnit, the Python unit test framework, for all Python applications.
* Wrote Python OO Design code for manufacturing quality, monitoring, logging, and debugging code optimization.
* Involved and played a leading role in database migration projects from Oracle to MongoDB
* Installed and maintained web servers Tomcat and Apache HTTP Web servers
* Worked with JSON based REST Web services.
* Worked on automation, setup and administration of build and deployment tools such as Jenkins
* Used RESTful API with JSON for extracting Network traffic/Memory performance information.
* Created database using MySQL, wrote several queries and Django API's to extract data from database.
* Created specific images using Python Imaging Library for the custom images used for each book.
* Effectively communicated with the external vendors to resolve queries.
* Used GIT for the version control.

**Environment:** Python 2.7, Django1.4, AWSEC2, MongoDB, MySQL, Windows, Linux, HTML, CSS, JavaScript, Apache

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**Client- Virgin Australia –**

**Bengaluru, Karnataka May 2010 to October 2012**

**Description:** Virgin Australia is Australia's second-largest airline that is on a mission to make flying well again, with brand new planes, attractive fares, tip - top service.

The project was based on passenger's information management which information applied to travel and customer satisfactions. It was acquiring, analyzing information to provide quality passengers satisfactions with the widespread computerization of records.

**Responsibilities:**

* Involved in the design, development and testing phases of application using AGILE methodology.
* Designed the Web application Using Python on Django Web Framework pattern to make it extensible and flexible, implemented code in python to retrieve and manipulate data.
* Used the Model View controller (MVC) framework to build modular and maintainable applications
* Experienced in Building reusable code and libraries for future use.
* Created and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.
* Maintained and improved the security level of data and Responsible for security standard implementation and data protection.
* Worked with millions of database records daily, finding common errors and bad data patterns and fixing them.
* Generated various report using Python Report lab and sent to Business users to improve their decision making.
* Used Python and Django creating graphics, XML processing of documents, data exchange and business logic implementation between servers.
* Handled all the client-side validation using JavaScript.
* Creating unit test/regression test framework for working/new code.
* Build SQL queries implementing functions, packages, views, triggers and tables.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.
* Handling the day to day issues and fine tuning the applications for enhanced performance.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.

**Environment:** Python 2.5, Django1.0, JavaScript, HTML, JSON, MySQL, Eclipse PyDev, Jenkin, Perforce.

**Skills:**

Flask (Less than 1 year), Django (Less than 1 year), Python (Less than 1 year), Javascript (Less than 1 year), Java (Less than 1 year)