**THEJA**

**☎ 508-413-3123**

[pythonmaster678@gmail.com](mailto:pythonmaster678@gmail.com)

**PERSONAL SUMMARY:**

* **6+** Years of experience in Analysis, Design, Development, Testing, Customization, Bug fixes, Enhancement, Support and Implementation of various web, stand-alone, client-server enterprise applications using **Python**, **Django** in various domains.
* Experienced in **WAMP (Windows, Apache, MYSQL, Python).**
* Experienced with full software development life-cycle (SDLC), architecting scalable platforms, object-oriented programming (OOPs) database design.
* Experience in developing web-based applications using **Python 3.5/3.6**, **Django 1.7**
* Good experience of software development in **Python** (libraries used: **NumPy**, **SciPy**, **matplotlib**, **python-twitter**, **Pandas data frame**, **network**, **urllib2**, **MySQL dB** for database connectivity) and **IDEs** - **sublime text**, **Spyder**, **PyCharm**~~.~~
* Extensive experience in **system analysis**, **design**, development and implementation of web based and client/server application using **HTML**, **Bootstrap, CSS**~~,~~ **JavaScript**, **JDBC**, **XML**, **Python**, **Django**.
* Good experience in developing web applications implementing **MVT**/**MVC** architecture using **Django**.
* Experienced in **MVC** frameworks like **Django**, **Java Script**, **jQuery**.
* Worked on Cloud Computing **AWS - EC2, RDS, S3, Glacier, SQS, SNS, Cloud Formation, VPC, IAM, Route 53, EBS, DynamoDB, Lambada, Redshift.**
* Worked closely with designer, tightly integrating Flash into the **CMS** with the use of **Flashvars** stored in the **Django** models. Also created **XML** with **Django** to be used by the **Flash**.
* Good Experience in **Linux Bash scripting** and following **PEP** Guidelines in **Python**.
* Developed consumer-based features and applications using **Python**, **Django**, **HTML**, Behavior Driven Development (**BDD**) and pair-based programming.
* Using **Django evolution** and manual **SQL** modifications was able to modify **Django** models while retaining all data, while site was in production mode.
* Good experience with **Amazon Cloud EC2**, **Simple Storage Service S3** and **Amazon SQS**.
* Experienced with databases using **ORMs/DOMs** for integrating with **MySQL**, **Postgres**, **Neo4J**, **MongoDB**, and **Cassandra SQLite**. Also, experienced with writing custom queries through database connectors.
* Expertise in establishing database connections for**Python** by configuring packages like **JDBC**, **MySQL**-**Python**.
* Successfully migrated the **Django** database from **SQLite** to **MySQL** to **PostgreSQL** with complete data integrity.
* Configure backup, alerts, repairs and monitoring of **Cassandra** clusters, in conjunction with **Nagios**/**OpsCenter** and custom scripts.
* Good Knowledge of web services using **SOAP** and **REST** protocols.
* Used **Django** as a proxy to interact with **Rest** services and also interacting with **Database**.
* Excellent Experience and knowledge in using **XML**, **SOAP** web Service for inter operable software applications.
* Good knowledge of version control software – **CVS**, **GitHub**
* Efficient in demonstrating all phases of software development life cycle (requirements, design, architecture, development, testing).
* Deployed production site using **Apache 2.0** with **mod python**.
* Experienced in a **Python** based environment, along with **data analytics**, **data wrangling** and **Excel data extracts**.
* Hands on experience with bug tracking tools **JIRA** and **Bugzilla**.
* Skilled in writing and reviewing requirements, architecture documents, test plans, design, documents, quality analysis and audits.
* Skilled in **debugging**/**troubleshooting** issues in complex applications.
* Experience in Database Administration, development, design, maintenance and production support of relational databases, business applications, new server setup, **MySQL** Server installation, upgrade, migration.
* Reviewed requirement documents with the business and development team to understand the architecture and functionality of the application and consolidated these requirements in appropriate modules in Test strategy.
* Experienced in **Unit testing**, **Integration testing**, **User acceptance testing**, **Functional testing**.
* Experienced in Requirement gathering, use case development, Business Process flow, Business Process Modeling: extensively used **UML** to develop various use cases, class diagrams and sequence diagrams.

**Technical skills:**

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| **Operating Systems** | Unix, Linux, Windows and Mac |
| **Programming Languages** | Java, C, C++, Python 3.3/2.7/2.4. |
| **Scripting Languages** | CSS, Java Script, JQuery, Shell Scripting |
| **Markup languages** | HTML, XML, JSON |
| **Analytics Tools** | JMP PRO, SAS, Tableau, UCI NET, Node XL, MVC3 |
| **Python Libraries** | Beautiful Soup, numpy, matplotlib, python-twitter, Pandas data frame, urllib2. |
| **Databases** | Oracle 10/11g, MySQL, SQL Server and PostgreSQL |
| **Servers** | Apache Tomcat, IBM Web sphere, RESTful web services |
| **Tools** | Intellij, PyCharm, FileZilla, PL/SQL Developer, and TOAD |
| **Integration Tools** | Jenkins and Web Builder |
| **Version Control** | GitHub and SVN |
| **Defect Tracking** | JIRA, Git, and VersionOne |
| **Methodologies & tools** | Object Oriented Programming, UML, Agile Scrum |

**PROFESSIONAL EXPERIRNECE:**

**Client: Lumity, Inc., SFO, CA Feb 2018 – Till Date**

**Role: Python Developer**

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* 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.
* Responsible for setting up **Python REST API** framework using **Django**.
* Developed views and templates with **Python** and **Django** view controller and templating language to create a user-friendly website interface.
* Developed web applications in Django Framework model view control (MVC) architecture.
* Used **Python** to write data into **JSON** files for testing **Django** Websites. Created scripts for data modelling and data import and export.
* Used **JQuery** and **Ajax** calls for transmitting **JSON** data objects between frontend and controllers.
* Involved in building database Model, **APIs** and Views utilizing **Python**, in order to build an interactive web based solution.
* Thorough knowledge in various front end tools like **HTML, CSS, JavaScript, XML, JQuery, Angularjs**, and **AJAX**. Managed large datasets using Panda data frames and **MySQL**.
* Used **object-relational mapper** (ORM) to automate the transfer of data stored in relational databases tables into objects.
* Used Python based **GUI** components for the front-end functionality such as selection criteria.
* Created test harness to enable comprehensive testing utilizing **Python**.
* Used **Amazon Web Services (AWS)** for improved efficiency of storage and fast access.
* Added support for Amazon **AWS S3** and RDS to host static/media files and the database into **Amazon Cloud**.
* Created Data tables utilizing **PyQt** to display customer and policy information and add, delete, update customer records.
* Used **PyQuery** for selecting DOM elements when parsing **HTML**.
* Created Business Logic using Python to create Planning and Tracking functions.
* Created UI Screens for initiation and validation.
* Worked on UI using **HTML5, CSS3 and JavaScript’s.**
* Developed multi-threaded standalone app in **Python** and PHP to view performance
* Performed data extraction and manipulation over large relational datasets using **SQL, Python**, and other analytical tools.
* Used Python libraries and SQL queries/subqueries to create several datasets which produced **statistics, tables, figures, charts and graphs**.
* Developed tools using **Python**, **Shell scripting, XML** to automate some of the menial tasks.
* Working in team of Architects and Developers to build and deploy **Python Flask Peewee Linux AWS**.
* Version control using **GITHub**.
* Involved in writing stored procedures using **MySQL**.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

**Environment: Python 3.x, Django, Go language, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX.**

**Client: Incomm, Alphareretta, GA Oct 2016 – Jan 2018**

**Role: Python Developer**

**Responsibilities**:

* Instigated user interface guidelines and standards throughout the development and maintenance of the website using the **HTML**, **CSS**, **JavaScript** and **jQuery**.
* Developed views and templates with **Python** and **Django's** view controller and templating language to create a user-friendly website interface.
* Refactor **Python**/**Django** modules to deliver certain format of data.
* Managed datasets using Panda data frames and **MySQL**, queried **MYSQL** database queries from python using **Python-MySQL** connector and **MySQL dB** package to retrieve information.
* Utilized **Python** libraries **NumPy** and **matplotlib**.
* Wrote **Python** scripts to parse **XML** documents and load the data in **database**.
* Used **Wireshark**, live **http** headers, and **Fiddler2** debugging proxy to debug the **Flash** object and help the developer create a functional component.
* **Parsers** written in **Python** for extracting useful data from the design data base.
* Development of **Python APIs** to dump the array structures in the Processor at the failure point for **debugging**.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the **XML** format.
* Installed, setup, and configured Cisco switches for TCP/IP intra-network and wireless access point across the network for the local area network and Wi-Fi.
* Hardware installation of patch panels and fiber optic connectivity, hubs, cabling of cat5 and RJ45 connectors.
* Setup and configured DHCP on Windows 2003 for external wireless clients and mobile PC kiosks within the hospital.
* Installed and configured Windows XP workstations using standard software configuration and configured TCP/IP and network interface cards.
* Managing internet security and acceleration throughout the network using Microsoft's ISA server.
* Written functional test cases for **Data Layer**, and **Search server** classes using **Django**, **XML** base services, and **MongoDB**.
* Creating **restful** web services for Catalog and Pricing with **Django MVT**, **Jersey**, **MySQL**, and **MongoDB**.
* Representation of the system in hierarchy form by defining the components, subcomponents using **Python** and developed set of **library** functions over the system based on the user needs.
* Generated graphical reports using **python** package **NumPy** and **matplotlib**.
* Created Data tables utilizing **PyQt** display customer and policy information and **add**, **delete**, **update** customer records.
* Used **Python** and **Django** creating graphics, **XML** processing, data exchange and business logic implementation.
* Used **Python** based **GUI** components for the front-end functionality such as selection criteria.
* 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.
* Used third party **jQuery**-based plug-ins like **Data tables** etc. Heavily used **JavaScript** for Form Submit and other **UI** elements during development.
* Representation of the system in hierarchy form by defining the components, subcomponents using **Python** and developed set of **library** functions over the system based on the user needs.

**Environment: Python 3.4/2.7, Django 1.7, MongoDB, MySQL, AJAX, SOAP, jQuery, JavaScript, PyCharm.**

**Client: Bloomin’ Brands, Tampa, FL Feb 2015 – Sep 2016**

**Role: Python Developer**

**Responsibilities:**

* Created Python and Bash tools to increase efficiency of call center application system and operations; data conversion scripts for **API** Integration.
* Recording of Scripts (Web, Web Services HTML) **SoapUI** and script validation through co correlations, parameterizations and other methods. Scripting- web and **web services**.
* Application was based on service-oriented architecture and used **Python 2.7**, **Django1.5**, **Ajax**, **HTML**, **CSS** for the frontend.
* Build the Silent Circle Management System (**SCMC**) in **Django**, **Python**, and **Node.JS** while integrating with infrastructure services.
* Created a **Python**/**Django** based web application using Python scripting for data processing, **MySQL** for the database, and **HTML**/**CSS**/**jQuery** and **High Charts** for data visualization of the served pages.
* Used existing Deal Model in **Python** to inherit and create object data structure for regulatory reporting.
* Used standard **Python** modules e.g. **csv**, **xml** for development.
* Managed, developed, and designed a **dashboard** control panel for customers and Administrators using **Django**, **HTML**, **CSS**, **JavaScript**, and jQuery calls.
* Automated RabbitMQ cluster installations and configuration using Python/Bash.
* Used **Pandas API** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Improved the coding standards, code reuse. Increased performance of the extended applications by making effective use of various design patterns (Front Controller, **DAO**).
* Worked on a large scale distributed computing environment, monitoring data nodes to prioritize jobs for processing functions.
* Worked extensively with **JavaScript**, and **jQuery** to optimize the user experience.
* Used **Python** and **Django** to interface with the **jQuery UI** and manage the storage and deletion of content.
* Carried out various mathematical operations for calculation purpose using **python libraries**.
* Built various **graphs** for business decision making using **Python matplotlib** library.
* Fetched **twitter** feeds for certain important keyword using **python-twitter** library.
* Performed troubleshooting, fixed and deployed many **Python bug** fixes of the two main applications that were a main source of data for both customers and internal customer service team.
* Executing regression tests on each release and verified bugs found from automation test in **Bugzilla**.
* Planning, implementing, and converting manual test cases to **automation** test cases.

**Environment: Python, Django, Cassandra, SoapUI, REST API, Bash, PyDev, Spyder.**

**Client: Cyient, India May 2014 – Nov 2014**

**Role: Python Developer**

**Responsibilities**:

* Translated the customer requirements into design specifications and ensured that the requirements translate into software solution.
* Application was based on service-oriented architecture and used **Python 2.5**, **Django 1.5**, Ajax, **HTML**, **CSS** for the frontend.
* Designed the front end of the application using **Python**, **HTML**, **CSS**, **AJAX**, **JSON** and **jQuery**. Worked on backend of the application, mainly using Active Records.
* Developed and designed an **API** (**RESTful** Web Service).
* Used the Python language to develop web-based data retrieval systems.
* Designed and maintained databases using Python and developed Python based **API** (RESTful Web Service) using **Flask**, **SQL Alchemy** and **PostgreSQL**.
* Developed web sites using **Django**, **Python**, **XHTML**, **CSS**, **and JavaScript**.
* Developed and designed e-mail marketing campaigns using **HTML** and **CSS**.
* Tested and implemented applications built using Python.
* Developed and tested many features for dashboard using **Python, CSS, and JavaScript.**
* Created complex dynamic **HTML** UI using **jQuery**.
* Automated Regression analysis for determining fund returns based on index returns (**Python**/**Excel**).
* Worked on development of **SQL** and stored procedures, trigger and function on **MYSQL**.
* Developed shopping cart for Library and integrated web services to access the payment.
* Developed server-based web traffic statistical analysis tool using **Flask**, **Pandas**.
* Implemented and tested **python**-based web applications interacting with **MySQL**.
* Simple web app for reviewing sitcoms that gives users the ability to view, add, review, up/down vote, search, etc.

**Environment: Linux, Python, Mod Python, MySQL, JavaScript, Ajax, Shell Script, HTML, CSS**.

**Client: Precision IT Solutions Pvt. Ltd Jan 2012 - March 2014**

**Role: Software Developer**

**Responsibilities:**

* Analyzed the system requirement specifications and in client interaction during requirements specifications.
* Providing daily reports to the Development Manager and participate in both the design phase and the development phase. Utilized **Agile Methodology** and **SCRUM Process**.
* Implemented code in **Python** to retrieve and manipulate data.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript, and jQuery.**
* Developed dynamic web pages using **Python Django** frameworks and Used **Django APIs** for database access.
* Utilized **PyUnit**, the Python unit test framework, for all Python applications.
* Used **jQuery** and **Ajax** calls for transmitting **JSON** data objects between frontend and controllers.
* Developed entire frontend and backend modules using **Python** on **Django Web Framework**.
* Designed and implemented an application for managing customers, purchases and invoices.
* Created **RESTful** http services to interact with **UI**.
* Worked in **MySQL** database on simple queries and writing Stored Procedures for normalization and renormalization.
* End to end testing of the applications.
* Re-engineered various modules for implementing changes and created efficient system.
* Maintained program libraries, user's manuals and technical documentation.

**Environment:** **Python, Django, RESTful, Linux, HTML5, CSS3, Bootstrap, JavaScript, jQuery, AJAX, MySQL, Shell, JIRA, GIT**