CHANDRAGIRI MANIKANTA

**Professional Summary:**

* Over **5**years of professional Software Development work Experience with efficient application development and designing knowledge of **Python** and **Django** ability in development of web based applications using **Python.**
* Extensive experience in Python web frame works like Django, Pyramid and Flask in implementing MVC architecture.
* Skillful experience in **Python** by developing software’s using new tools, libraries used: **BeautifulSoup, numpy, Scipy, PySide, python-twitter, matplotlib, Pickle, Pandas** data-frame, networkx, urllib2, **MySQL dB** for database connectivity.
* Experienced in developing web-based applications using**XML, CSS**, **HTML**, **JavaScript** and **JQuery**.
* Proficient in **Object Oriented Programming** concepts like Multi-Threading, Exception Handling and Collections.
* Proficient in developing **Web Services (SOAP, RESTful) in Python** using **XML, JSON**.
* Proficient in using editors **Eclipse,PyCharm**, **PyScripter** and **Sublime Text** while developing different applications.
* Experience in error detection and exception handling. Debugging using **PDB**, **Eclipse** and **PyCharm**.
* Having good knowledge in using NoSQL databases like **Apache Cassandra** and **MongoDB**
* Experience in working with application servers - **Apache Tomcat** , **WebSphere** ,**WebLogic**.
* Familiarity with development best practices such as code reviews and **unit testing** and experience in designing the automation frameworks**.**
* Expertise in working with GUI frameworks – **PyJamas, Jython.**
* Proficient in writing **SQL** Queries, Stored procedures, functions, tables, views, triggers on various databases like **Oracle, DB2, MySQL.**
* Extensive knowledge of **J2EE (JSP, JDBC, Servlets**,).
* Experience in working with different operating systems **Windows, UNIX, and MAC OSX.**
* Good knowledge on hosting Python applications using **WSGI** module.
* Active participation in various phases of **SDLC** – Requirement Analysis, Design, Development and Testing on various Development and Enhancement Projects.
* Special skills in developing user friendly, simple yet effective web based applications.
* Hands on experience in **debugging** and **fixing the bugs** and also very good with **support** and **maintenance.**
* Experience with Version Control, ideally **SVN, CVS** and **GIT**
* Understanding of **Python best Practices** (**PEP-8**)
* Expertise in understanding user requirements and translating business requirements into technical solutions with excellent problem solving and troubleshooting capabilities.
* Good at Analysis, Designing, Programming, Implementation and Testing techniques.
* A skilled problem solver and an efficient team player. Can effectively work in both independent and collaborative work environments
* Good analytical and problem solving skills and ability to work on own besides being a valuable and contributing team player
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.

**Technical Skills:**

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| **Frameworks** | Django, Flask, Robot, Struts, Angular JS |
| **Web Technologies** | HTML, XML, CSS, AJAX, Java Script, JQuery, DOM Angular JS, Node JS,,PHP |
| **Programming Languages** | C, Java, Python, SQL and PL/SQL. |
| **J2EE Technologies** | JSP, Java Servlets, JDBC. |
| **Source Control** | SVN, CVS, Git, GitHub. |
| **Application servers** | Apache Tomcat, JBoss, WebLogic, WebSphere. |
| **Databases** | Oracle, My SQL, Apache Cassandra, MongoDB. |
| **IDE’s/ Development Tools** | NetBeans, Eclipse, PyCharm, PyScripter, PyStudio, and Sublime Text. |
| **Operating Systems** | Windows, RedHat Linux, MAC OS. |
| **Deployment Tools** | Heroku, Amazon EC2. |
| **Bug Tracking tools** | Bugzilla and JIRA. |
| **Test Automation tools** | Selenium. |

**Professional Experience:**

**Comcast, CO April 2015 to till date**

**Sr.Python Developer**

**Description:** Comcast is the largest cable network provider and offers cutting edge digital technology, a rich range of home entertainment and information choices for the whole family to enjoy, and superior service that demonstrates customer satisfaction is our number one priority.

**Responsibilities:**

* 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.
* Used **Python scripts** to update the content in database and manipulate files.
* Developed web based application using **Django framework** with python concepts.
* Generated **Python Django forms** to maintain the record of online users.
* Used **Django API’s** to access the database.
* Involved in **Python OOD code** for quality, logging, monitoring, and debugging code optimization.
* Designed and developed the UI for the website with **HTML, XHTML, CSS, Java ScriptAJAX and Angular JS.**
* Created the **Node.js EXPRESS** Server combined with **Socket.io** to build **MVC framework** from front-end side **AngularJS** to back-end **MongoDB**, in order to provide **broadcast** service as well as **chatting** service.
* Wrote Python modules to view and connect the **Apache Cassandra** instance.
* Developed tools to automate some base tasks using **Python, Shell scripting and XML**.
* Created **Unit test/ regression test framework** for working/new code.
* Designed the generic message entity for the whole system using the Builder pattern.
* Implemented the function to send and receive AMQP messages on RabbitMQ synchronously and asynchronously, and send JMS message to Apache ActiveMQ on the edge device.
* Used **PyQt** to implement **GUI** for the user to create, modify and view reports based on client data.
* Installed and maintained web servers **Tomcat** and **Apache HTTP** in **UNIX**.
* Developed efficient **Angular.js** for client web based application.
* Responsible for designing, developing, testing, deploying and maintaining the web application.
* Involved in working with **Python open stock API’s**.
* Responsible for managing large databases using **Panda data frames** and **MySQL**.
* Wrote and executed various MySQL database queries from **Python-MySQL** connector and **MySQLdb** package.
* Involved in debugging and troubleshooting issues and fixed many bugs in two of the main applications which are main source of data for customers and internal customer service team.
* Implemented **SOAP/RESTful** web services in JSON format.
* Created **Git** repository and added the project to **GitHub**.
* Involved in debugging the applications monitored on **JIRA** using **agile methodology**.
* Attended many day-to-day meetings with developers and users and performed QA testing on the application.

**Environment:**Python, Django,PyQT, Panda API, HTML, CSS, AJAX, Tomcat, Apache HTTP, Angular.js, JSON, Restful, XML, JavaScript, OOD, Shell Scripting, GITHub, MYSQL, Cassandra, Jira, Agile.

**CSGI, Danbury, CTJan 2014 - March 2015 Python Developer**

**Description**: Custom Solutions Development (CSD):

Custom Solutions Development (CSD) worked to customize the CSG Activation Product for a cable television and communications provider in Northeast.

**Responsibilities:**

* Worked on designing, coding and developing the application in **Python** using **DjangoMVC.**
* Developed dashboard using **Highcharts** JavaScript library**.**
* Used **Django configuration** to manage **URLs** and application parameters.
* Used **Pandas** (Python library) for Statistical Analysis.
* Experience in working with Python ORM Libraries including **Django ORM**, **SQLAlchemy**.
* Designed and developed the UI of the website using **HTML5**, **XHTML**, **AJAX**, **CSS3, JQuery** and **JavaScript**.
* Build **REST** web service by building **Node.js** Server in the back-end to handle requests sent from the front-end **jQuery Ajax calls**.
* Used standard **Python Modules** e.g. **CVS**, **RobotParser**, **itertools**, **pickle**, **lxml** for development.
* Interactive in providing change requests, trouble reports and requirements collection with the client.
* Worked on integrating python with Web development tools and **Web Services**.
* Wrote and executed various MYSQL database queries from python using **Python MySQL** connector and **MySQL dB** package.
* Wrote scripts in **Python** for extracting data from **HTML** file.
* Developed the required **XML Schema** documents and implemented the framework for parsing XML documents.
* Utilize **PyUnit**, the Python Unit test framework, for all Python applications.
* Created most important Business Rules which are useful for the scope of project and customer needs.
* Used **Collections** in Python for manipulating and looping through different user defined objects.
* Improved code reuse and performance by making effective use of various design patterns.
* Deployed the project into **Heroku** using **GIT** version control system.
* Creating database schema for MySQL Database and helped to draw ER-Diagrams using Microsoft Visio.
* 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**.**

**Environment:** Python 2.7, Django, Java Script, HTML5, XHTML, JQuery, JSON, XML, CSS3, MySQL,Bootstrap, Heroku, Git, sqlalchemy, RabbitMQ, Linux.

**Fujitsu Networks, Sunnyvale, CA June 2012 to Dec 2013**

**Python Developer**

**Responsibilities**:

* Analyze, design, develop, test, deploy and maintain the website.
* Involved in entire SDLC process.
* Designed the User Interface using **HTML, XHTML, CSS, JavaScript,** and **AJAX** for the website.
* Frontend and Backend modules were created using **Python** on **Django framework**.
* Developed **Python** code for instantiating multi-threaded application and running with other applications.
* Designed and developed Database management using **MYSQL**.
* Developed Python modules to extract data from MYSQL database.
* Wrote and executed various MySQL database queries from **Python-MySQL** connector and **MySQLdb** package.
* Created **Unit test framework** for new codes.
* Used Python library **Beautiful Soup** for webscrapping.ss.
* Deployed the project into **Heroku** using **GIT** version control system.
* Skilled in using collections in Pythonfor manipulating and looping through different user defined objects.
* Responsible for debugging and troubleshooting issues.
* Implemented Web Services using **SOAP** for sending and receiving data from external interface in XML format.
* Maintaining the scripts using the **SVN** version Control.
* Maintaining customer database using **MS EXCEL.**

**Environment:** Python, Django, HTML, XHTML, CSS, Java Script, AJAX, MYSQL, Beautiful Soup, SOAP, Heroku, GIT, SVN.

**Dell Computers, Dallas, TX Nov 2011 to May 2012**

**Python Programmer**

**Responsibilities:**

* Design, develop, test, deploy and maintain the website.
* Designed and developed the UI of the website using **HTML, AJAX, CSS and JavaScript.**
* Developed entire frontend and backend modules using **Python** on **Django Web Framework**.
* Designed and developed data management system using **MySQL**.
* Rewrite existing **Python/Django/Java** module to deliver certain format of data.
* Used Django Database API’s to access database objects.
* Wrote python scripts to parse XML documents and load the data in database.
* Generated property list for every application dynamically using python.
* Responsible for **search engine optimization** to improve the visibility of the website.
* Handled all the client side validation using JavaScript.
* Creating unit test/regression test framework for working/new code.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.

**Environment:** Python, Django 1.3, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, Apache Web Server.

**EDUCATION:**

* Bachelor of Technology from **Vignan University, Guntur**, INDIA.