THARUN KUMAR MADDULETI

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**Professional Summary:**

6+ Years of professional experience in Analysis, Design, Development and Implementation of various client-server applications using Python.

* Experienced with full software development life-cycle, designing and architecting scalable platforms, object oriented programming, database design and agile methodologies.
* Experienced in MVC frameworks like Django.
* Experience object oriented programming (OOP) concepts using Python.
* Experienced in WAMP (Windows, Apache, MYSQL, Python /PHP) and LAMP (Linux, Apache, MySQL, Python /PHP) Architecture.
* Experienced in Python's modules like numpy, regular expressions, collections, dates & times and OS modules.
* Experienced in developing web-based applications using Python, Django, FLASK, XML, CSS, and HTML.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Good experience inPLSQL programmingincluding complex SQL queries using stored procedures and Triggers in Oracle, SQL Server using TOAD and Query Manager.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Hands-on experience in writing and reviewing product specifications, technical specifications, test plans and quality analysis.
* Excellent analytical and problem-solving skills with efficient time management and result oriented attitude.
* Good interpersonal, very hands on attitude and approach, Inquisitive, Self-determined to learn and improve.
* Committed to tasks and provide good results, team player and Good communication skills.
* Good Experience in Linux Shell Scripting (Bash) and following PEPGuidelines in Python.
* Experience in handling database issues and connections with SQL and NoSQL databases like MongoDB (2.6, 2.4) by installing and configuring various packages.
* Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like DB2 and MySQL.

**Technical Skill set:**

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| --- | --- |
| **Languages** | Python, Shell Scripts, MySQL, PL/SQL, HTML, CSS, XML. |
| **Operating Systems** | Windows 7, Windows XP, Windows Server 2003, LINUX, UNIX, Mac OS |
| **Frameworks** | Django, Pyramid, Flask |
| **Web Technologies** | HTML, CSS, XML, Django. |
| **Web Services** | SOAP, REST & GRAPHQL. |
| **Databases** | MySQL Server, Postgres Server, No SQL Databases such as Mongo DB. |
| **Testing Tools** | PyTest, Doc test |

**Professional Experience:**

**Client: Inpensa**  **Oct 2016 to present**

**Location:** - **Edison ,NJ**

**Role: Python Developer**

**Responsibilities:**

* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Designed and developed Use-Case, Class and Object Diagrams using UML Rational Rose for Object Oriented Analysis/Object Oriented Design techniques.
* Designed and developed data management system using MySQL. Built application logic using Python 2.6.
* Used Django APIs for database access.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Angular.js is used to build efficient backend for client web application.
* Used Python to extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP1.1, XML, XSD, XSLT etc.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on development of SQL and stored procedures on MYSQL.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce)
* Designed and developed a horizontally scalable APIs using Python Flask.
* Designed Cassandra schema for the APIs.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Used GIT for the version control.

Environment: Python 2.6/2.7, JavaScript, Django Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server.

**Client: Gilead Sciences**  **Jan 2016 to Sep 2016**

**Location:** - **Foster City ,CA**

**Role: Python Developer**

**Responsibilities:**

* Developed Python based API (RESTful Web Services) to track the events and perform analysis using Django.
* Supported/maintained client website within the DJANGO CMS system for various website needs.
* Performed dynamic UI designing with HTML5, CSS3, less, Bootstrap, JSON and AJAX.
* Created Python and Bash scripts to monitor & increase efficiency of retail management application system and operations.
* Developed a Django CMS based promotion management system offering the ability to created arbitrary forms through an admin interface.
* Created a Python/Django based web application for data processing using MySQL as database, and HTML/CSS/JavaScript for frontend development and D3 JavaScript for Data Visualization.
* Part of team implementing REST API's in Python using python based micro-framework called Flask with SQL Alchemy in the backend for management of data center resources on which OpenStack would be deployed.
* Python's Unit Testing library was used for testing various programs on python and other codes.
* To build and populate DB and to ensure the standards, the team of QA also collaborated.
* Built performance monitoring dashboards using python chartio libraries.
* Responsible debugging and troubleshooting programming related issues.

**Environment:** Python, Django, Django-CMS, SSO, PostgreSQL, MySQL, Bootstrap JS, HTML5, CSS3, Agile, REST, JSON.

**Client: Value IT Labs May 2013 - July 2015**

**Role: Jr. Python Developer**

**Location: Hyderabad, INDIA**

**Responsibilities:**

* Created entire application using Python, Django.
* Developed applications especially in Linux environment and familiar with all its commands.
* Involved in development of Web Services using REST for sending and getting data from the external interface in the XML format. Worked with Linux like OS on regular basis.
* Improved code reuse and performance by making effective use of various design patterns.
* Creating unit test/regression test framework for working with new code.
* Construct SQL queries implementing functions, packages, views, triggers, and tables.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. Maintaining the scripts using the GIT version control tool.
* Maintaining customer database using MY SQL.
* Proactively worked with managers and development staff to meet project goals within expected timelines.

**Environment:** Python, Django, MY SQL, Linux, Agile, HTML, CSS, Eclipse, Linux, Shell Scripting

**Client: Covan Tech Private Limited Mar 2012 - Apr 2013**

**Role: Software Engineer**

**Location: Hyderabad, India**

**Responsibilities:**

**Responsibilities:**

* Exported/Imported data between different data sources using MySQL & PostgreSQL.
* Participated in re-design and development of back-end MySQL & PostgreSQL Server database, wrote queries, triggers and stored procedure.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Managed, developed and designed a dashboard control panel for customers and Administrators using MySQL DB, PostgreSQL.
* Installed and maintained web servers Tomcat and Apache HTTP Web servers in UNIX.
* Interacted with QA to develop test plans from high-level design documentation.

**Environment:**  HTML5/CSS, HTTP, PostgreSQL, My SQL, MS SQL Server, MySQL, Eclipse, Linux, Shell Scripting.

**Educational Background**

Master's in Computer Science , USA

Bachelor’s in Computer Science, India.