**SASIDHAR C**

**Sr. Python Developer**

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**PROFESSIONAL SUMMARY:**

* Having **7+**years of Professional IT experience in Design &Development of applications using **Python**, **Java/J2EE**, **Django**, **Flask,HTML**, **CSS**, **JavaScript**,**jQuery, Angular JS, AJAX**,**Servlets,JSP, XML**, **PHP.**
* Experience with full software development life-cycle, architecting scalable platforms, object oriented programming, database design and agile methodologies.
* Proficient in using Relational DBMS like **MySQL**, **PostgreSQL**, **Oracle** and Non-relationaldatabases like **Cassandra**, **MongoDB**.
* Experience in application development and object oriented programming analysis and design (**OOAD**).
* Experience with **Unit testing/**Test Driven Development**(TDD)**, **Load Testing, Py.test**
* Strong experience using web services and API’s in **Python.**
* Experience with various python libraries like NumPy, SciPy, Matplotlib, and Pandas during the development lifecycle.
* Experience in working with Python Integrated Development Environments like **PyCharm**,**Atom, Eclipse, PyDev,Wing IDE**, **Spyder** and **Sublime Text**.
* Good experience in **Unix**, **Shell Scripting**, **SQL Server**, **Linux** and **Open stock**.
* Experience in writing subqueries, stored procedures, triggers, cursors and functions on **MySQL** and **PostgreSQL** database.
* Expertise in querying RDBMS such as **MYSQL** and **SQL Server** by using **SQL** for data integrity.
* Good experience in Error and **Exceptional handling** and **Debugging**.
* Have good Knowledge of Agile Methodologies (Scrum) and experience in using API’s, **REST**, **CRUD**, **SOAP**.
* Followed **Agile Methodologies (Scrum),** involved in daily standup meetings.
* Expertise in using **Functional Programming Tools** and writing scripts in various operating systems like (**Terminal, Bash and PowerShell**) Mac, Linux and Windows.
* Good Knowledge in using **EC2** instances for deploying the application and object storage service **AWS S3** to store and retrieve the files.
* Have a good idea about development tools like **Bugzilla** and **Jira**.
* Participated in several **Data Backup**, **Data Recovery**, and **Disaster handling drills**.
* Highly motivated team player with zeal to learn new technologies and always believes in giving the best of efforts in challenging environments.

**Technical Skills:**

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| --- | --- |
| **Programming Language** | Python, Core Java, C++, shell scripting |
| **Operating System** | Unix, Linux, Mac OS, Windows, Ubuntu |
| **SQL Database** | MySQL, Oracle, PLSQL, SQL Server |
| **NoSQL Database** | MongoDB, Cassandra |
| **Web Technologies** | HTML/HTML5, CSS/CSS3, XML, DOM, AJAX, jQuery, JSON and CSS |
| **Application Servers** | Web Sphere, Web logic, Apache Tomcat |
| **Frameworks** | Django, Flask, Web2Py, Jython, Pyjamas, CSS, CPython, Bootstrap |
| **Testing Tools** | JIRA, BUGZILLA. |
| **Protocols** | TCP/IP, HTTP/HTTPS, FTP, SMTP, SOAP, REST |
| **IDE’s/Development Tools** | IDLE, PyCharm, PyScripter, PyStudio,  PyDev,Spyder, Sublime Text |
| **Version Controls** | SVN, CVN, Git, GitHub |
| **Methodologies** | Agile, Waterfall, Hybrid |

**Client-Oasis Outsourcing, West Palm Beach, FLJULY 2017 - PRESENT**

**Role: Sr. Python Developer**

**Client Description:**Oasis Outsourcing is the nation’s largest privately held Professional Employer Organization (PEO), providing Human Resources, Employee Benefits, Payroll and Risk Management services on an outsourced basis. Oasis Outsourcing has consistently exceeded industry standards by providing clients with a high level of personalized services. Oasis Outsourcing Serving more than 8,000 clients and 260,000 worksite employees throughout the United States With annual gross revenue close to $9 billion.

**Responsibilities:**

* Designed and developed Python/Django framework for REST services.
* Django Framework is used in developing web applications to implement the model view control architecture.
* Developed entire frontend and backend modules using **Python on Django** including **Tastypie** Web Framework using **GIT**
* Followed **AGILE development methodology** to develop the application.
* Performed efficient delivery of code based on principles of **Test Driven Development (TDD)** and continuous integration.
* Different testing methodologies like **unit testing**, **Integration testing** performed.
* Managed datasets **using Panda data frames and MySQL, queried MySQL**database queries from python using **Python-MySQL connector** and MySQL dB package.
* Using Python **matplotlib** library built various graphs for business decision making.
* Created **Python** and **Bash tools** to increase the efficiency of the call center application system and operations; data conversion scripts **REST**, **JSON**, and **CRUD** scripts for **API Integration.**
* Built **Application logic** using Python, Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Used Django Database API’s to access database objects
* Experience with JSON based web services and Amazon Web Services (AWS).
* Front end application was designed by using **Python**, **UI, HTML**, **BOOTSTRAP**, **CSS**, **AJAX**, **JSON**, and **jQuery**.
* Used Python to extract weekly availability information from **XML files** using **underscore.JS.**
* Designed and developed a horizontally scalable **APIs** using **Python Flask.**
* Developing Microservices by creating REST APIs.
* Extensively used python modules such as requests, **urllib, urllib2** for **web crawling.**
* Designed and developed **Data management system** using **MySQL**.
* Developed **SQL scripts**, **packages, and procedures** for business rules check to implement business rules.
* Developed **GUI** using **webapp2** for dynamically displaying the test block documentation and other features of python code using a web browser.
* Automated the existing scripts for performance calculations using datamining tools like **NumPy,SciPy, and SQL alchemy.**
* Designed, developed, implemented and maintained solutions for using Docker, Jenkins, Git and Puppet for microservices and continuous deployment.
* Used data pipelining as embedded data processing engine which runs applications API’s transform and migrate data.
* Used **GIT** and **JIRA** for code submissions and review process and involved in writing scripts on protocols HTTP, HTTPS, FTP, Telnet, SMTP.
* Used and customized apache server to for checking our developed project.
* Responsible for debugging and troubleshooting the web application.
* Interacted with QA to develop test plans and maintained technical documentation for resolved issues for future reference.

**Environment:** Python3.6, Django, HTML5/CSS3, Bootstrap, MS SQL Server 2013, Python Flask, JavaScript, SQL, Ajax, underscore.js, MySQL, Mongo dB, Bash,urllib, urllib2, Python libraries, Django Tastypie, webapp2, jQuery, XML,GitHub, Jira, Git, Linux, Shell Scripting, Agile.

**Client-Otsuka Pharmaceuticals, Princeton, NJOCT 2016 – JUNE2017**

**Role: Sr. Python Developer**

**Client Description:**Otsuka Pharmaceuticals is a global healthcare company with the corporate philosophy. Otsuka researches, develops, manufactures and markets innovative and original products, with a focus on pharmaceutical products for the treatment of diseases and consumer products for the maintenance of everyday health. The company has employs approximately 33,000 people in 18 countries and regions worldwide.

**Responsibilities:**

* Worked on the development of **internal testing tool framework** written in **Python**.
* Wrote **scripts in python** for extracting data from **HTML file.**
* Successfully migrated the Django database from **SQLite** to MySQL to PostgreSQL with complete data integrity.
* Developed entire frontend and backend modules using **Python on Django** including **Tastypieweb Framework** using**Git, Node JS, underscore JS, Angular JS, CSS and JavaScript**.
* Extensively worked with **Networking layer(L3) with IPv4/IPv6 and also Transportlayer(L4)** with **TCP.**
* Used **Test driven approach** (TDD) for developing the application and implemented the unit tests using Python Unit test framework.
* Designed front end using **UI, HTML, Bootstrap, Node JS, Underscore JS, CSS and JavaScript**.
* Deployed many Python bug fixes of the two main applications that are the main source of data for both customers and internal customer service team.
* Extensively implemented the python libraries like **Pandas**, **Matplotlib**, NumPy to manipulate and visualize the data using interactive charts.
* Managed code versioning with **GitHub** and deployment to staging and production servers.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.
* Implemented CI tools Jenkins for automated builds and deployments.
* Carried out various mathematical operations for calculation purpose using **Python libraries NumPy and SciPy.**
* Used MATLAB to do matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces and interfacing with programs written in python.
* Good knowledge of using **openpyxl** Python library for reading and writing Excel files.
* Involved in the complete software development lifecycle (SDLC) to develop the application.
* Created database using **MYSQL**, wrote several queries to extract data from the database.
* Implemented migration tasks from Oracle apps to PostgreSQL databases.
* Dynamic implementation of SQL server works on a website using **SQL developer tool**.
* Designed, developed and maintained PostgreSQL database architecture.
* Followed AGILE development methodology to develop the application.
* Using **Git to resolve** and coding the work on **Python**.
* Automated the existing scripts for performance calculations using**NumPy**and **SQL Alchemy**.
* The Unit test was improved and the existing ones were also fixed.
* Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time.

**Environment:** Python 3.3, HTML5, CSS3, Angular.js, Underscore.js, JavaScript, MYSQL, Django, Pandas, Matplotlib, NumPy, Django Tastypie, MATLAB, UNIX, Windows, PostgreSQL, SQL Alchemy, SQL, SciPy, Apache Web Server, Git.

**Client-Kohl’s, Menomonee Falls, WIJUNE2014 – AUG 2016**

**Role: Python Developer**

**Client Description:** The Kohl’s Corporation is an American department store retailing chain. The company is headquartered in the Milwaukee suburb of Menomonee Falls, Wisconsin, operating 1,162 stores in 49 states. As of 2013, Kohl’s was the second largest U.S. department store company by retail sales. The claim was the 20th – largest retailer in the united states in 2013 in terms of revenue.

**Responsibilities:**

* Gathered all requirements for developing and analyzing requirements of projects.
* Designed and developed the UI of the website using**Python, Django,HTML, AJAX, CSS and JavaScript.**
* Followed AGILE development methodology to develop the application.
* Used **Django** configuration to manage **URLs** and **application parameters**.
* Developed merge jobs in python to extract and load data into **MySQL** database.
* Rewrite existing **Java, C++** application in **Python.**
* Used **Test driven approach** (TDD) for developing the application and Implemented the unit tests using Python Unit test framework.
* Wrote python scripts to parse **XML** documents and load the data in database.
* Wrote python routines to log into the websites and fetch data for selected options.
* Created **Python** and **Bash tools** to increase the efficiency of the call center application system and operations.
* Build all database mapping classes using **Django models and Apache Cassandra.**
* Designed the **database schema** for the **content management system**.
* Developed and worked the inventory management system. **Warehouse flow**, **Demand forecasting visualization** with analytics.
* Successfully migrated all the data to the database while the site was in production.
* Develops and implements strategies to simplify process, improve accuracy, and improve operating efficiency.
* Exported/imported data from different data sources using **SQL Server Management Studio.**
* Written complex **SQL queries** using joins and correlated subqueries.
* Managed code versioning with **GitHub** and deployment to staging and production servers.
* Maintained program libraries, user’s manuals and technical documentation.
* Managed, developed and designed a dashboard control panel for customers and Administrators using **Django**, **Oracle DB**, **PostgreSQL**.
* Web pages on the internet are generated by servers running **LINUX**.
* Hand full experience with LINUX operating system.
* Experience in using **Git**, **GitHub**, and **deploying them**.
* Having experience in **Agile methodologies, Scrum stories** and sprints experience in python.
* Added several options to the application to choose the particular algorithm for data and address generation.
* Used JIRA for bug tracking and issue tracking.
* Supported the issues seen in the tool across all the teams for several projects.

**Environment:** Python2.7, Django1.6, Java, C++, HTML, CSS, AJAX, JavaScript, JSON, Rest, Apache Web Server MySQL, Oracle DB, PostgreSQL, LINUX, Bash, SQL, GitHub, Oracle DB, JIRA.

**Client-Vertis Microsystems LLP, PUNE, IndiaDEC 2012 – MAY 2014**

**Role: Python developer**

**Client Description:** This is a mutual insurance company, with offices worldwide, that specializes in loss prevention services primarily to large corporations throughout the world in the Highly Protected Risk(HPR) property insurance market sector.

**Responsibilities:**

* Worked with a team of developers on **Python applications** for **RISK management**.
* Developed **Python/Django application** for **Analytics aggregation** and **reporting**
* Developed UI of the website using **HTML, AJAX, JavaScript** and **jQuery.**
* worked on Python open stack **API’s**.
* I have used **Pandas API** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Used **Pandas library for Statistical Analysis**.
* Used **Django configuration** to manage **URLs** and **application parameters**.
* Used **LINUX** as a troubleshooter for systems.
* Supported Apache Tomcat web server on Linux Platform.
* Worked on development of SQL and **stored procedures** on **MYSQL**.
* Wrote and executed various **MYSQL database** queries from **Python** using **Python-MySQL connector** and MySQL dB package.
* Modified queries, functions, cursors, triggers, and stored procedures for MySQL database to improve performance, while processing data.
* Extensive code reviewing using GitHub pull requests, improved code quality, and also conducted meeting among peer.

**Environment:** Python 2.7, Django 1.3, C++, HTML, Python libraries, MYSQL, GitHub, LINUX/WINDOWS.

**Client- Creative Techno Soft Systems, Hyderabad, IN FEB 2011 – NOV 2012**

**Role: Software Developer**

**Client Description:**Creative Techno soft Systems(CTS) is an Indian offshore Software Development Company providing customized Product and Application Development Services and Solutions to the businesses globally.

**Responsibilities:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design, and development.
* **Design**, **develop**, **test**, **deploy** and **maintain** the website.
* Created many web applications using **HTML, CSS and JavaScript.**
* Also used **Bootstrap** as a mechanism to manage and organize the **HTML** page layout.
* Generated Python Django Forms, Crispy forms to record data, login and signup for online users.
* **Rewrite existing Python/Django modules** to deliver certain format of data.
* Designed and developed datacenter management system using **MySQL**.
* Created and modified required views/tables/triggers using **SQL and worked on database bug fixes.**
* Used **python scripts** to update content in the database and manipulate files.
* Responsible for **debugging and troubleshooting the web application**.
* Debugged and supported various Python applications, scripts. Utilized various IDEs and internal debugging tools during debugging.

**Environment:** Python 2.7, Django1.3, ORACLE, MySQL, Shell Scripting, Bootstrap, HTML, CSS,JavaScript, SVN, Windows.

**EDUCATION:**

Bachelor of Technology in Electronics and Communication Engineering, India