**Chaitanya**

**Sr. Python Developer**

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**Professional Summary:**

* 8 years of experience as a Python Developer with a deep understanding of technology trends with expertise in the core of complex technologies.
* 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.
* Experience in application development using **PYTHON, Django, HTML5, CSS, JavaScript, and jQuery, Oracle, MySQL, PostgreSQL and SQLite.**  
  Experienced in working with various **Python IDE's using PyCharm, PyScripter, Spyder, PyStudio, and PyDev.**Proficient with various Python libraries like **SciPy, NumPy, Matplotlib, Pandas, PyTables, PyIMSL pickle** to enhance the performance throughout the SDLC.
* Hands on experience programming with **C++, Python, Django and Ajax technologies.**
* Successfully migrated Django database from **SQLite to MySQL to Postgres SQL** with complete data integrity.
* Working with backend **python automation, Docker and cloud provisioning/automation**.
* Experienced in **MVC frameworks like Flask and MVT framework like django**
* Experienced in **NoSQL technologies like MongoDB, Cassandra and relational databases like Oracle, SQLite, Postgre SQL and MySQL databases.**
* Have flexibility and ability to learn and use new technologies and to work in team environment as wells as independently to get things done.
* Knowledge in Data mining and Data warehousing using **ETL Tools and Proficient in Building reports and dashboards in Tableau (BI Tool).**
* Proficient in **writing unit testing code using Unit Test/PyTest and integrating the test code** with the build process worked on **Python Testing frameworks like Bottle, zope, pytest, nose and Robot framework also involving Beautiful Soap, Numpy, Scipy, Matplotlib, python-twitter, Pandas Data frame, urlib2 libraries.**
* Experience in developing web-based applications using **Python 2.7/2.6, Django 1.4/1.3, PHP, Flask, Webapp2, Angular.js, XML, Ajax, CSS, HTML, DHTML, JavaScript and JQuery.**  
  Having very strong experience writing **API's/ and Web Services in PHP and in Python**.
* Experience with **Jenkins and Enterprise GitHub**. Worked on Jenkins continuous integration tool for deployment of project.
* Good knowledge of version control **software –SVN, CVS, GitHub.**
* **Analytical, problem-solving and interpersonal skills**. Ability to learn new concepts fast consistent team player with excellent communication skills.
* Strong independent learning ability, easily adaptable to different development environments, collaborative, highly motivated and dedicated to delivering quality software.
* Authorized to work in United States for any employer.

**Technical Skills:**

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| **Operating Systems** | Unix, Linux, Ubuntu, Solaris, Windows and MacOS |
| **Programming Languages** | Python, PL/SQL, Java, CSS, HTML, JavaScript |
| **Databases** | Oracle 10/11g, MySQL, SQL Server and PostgreSQL, MongoDB |
| **Tools** | PyCharm, PL/SQL Developer, Spyder, Visual Studio, Jupiter, [**BeeWare**](http://pybee.org/), [**BOA Constructor**](http://boa-constructor.sourceforge.net/) |
| **Integration Tools** | Jenkins and Web builder |
| **Message Broker** | RabbitMQ, IBM MQ |
| **Web Server** | Apache Webserver, |
| **Defect Tracking** | JIRA and VersionOne |
| **Cloud services** | AWS, Microsoft Azure, GCP |

**EDUCATION:** Bachelor’s in Computer Science, Osmania-2010

**PROFESSIONAL EXPERIENCE:**

**Sherwin-Williams - Minneapolis, MN Mar2017 - Present**

**Python Developer**

**Description:** The Sherwin-Williams Company is an American Fortune 500 company in the general building materials industry. The company, with headquarters in Cleveland, Ohio, primarily engages in the manufacture, distribution, and sale of paints, coatings and related products to professional, industrial, commercial, and retail customers primarily in North and South America and Europe. The company is mostly known through its Sherwin-Williams Paints line.   
**Responsibilities:**

* Developed strategic partnerships with the business unit to develop a solid knowledge base of the business line, including the business plan, products and processes.
* Involved in preparing engineering specification with **OOA and OOD. Used UML Tools to develop Use Case diagrams, Class diagrams, Collaboration and Sequence Diagrams, State Diagrams and Data Modeling.**
* Developed application logic using **Python, Java script, Java, C++.**
* Used **JMS for updating** Mailing plans and tracking them.
* **Used Java Server Pages for content layout and presentation**.
* Prepared scripts to ensure proper data access, manipulation and reporting functions with **R programming language.**
* Formulated procedures for integration of **R programming** plans with data sources and delivery.
* Worked extensively with **Bootstrap, JavaScript, and jQuery** to optimize the user experience.
* Enhanced existing automated solutions, such as the **Inquiry Tool for automated Asset Department** reporting and added new features and fixed bugs
* Created database using **MySQL, wrote several queries to extract/store data.**
* Developed, tested and **debugged software tools** utilized by clients and internal customers
* Extracted and loaded data using **Python scripts and PL/SQL packages**
* Supported **Java application for Media portal management**.
* Wrote **python scripts to parse XML documents** and load the data in database.
* Generated property list for every application dynamically using python.
* Creating **unit test/regression test framework for working/new code.**
* Debugging and testing of the applications & finetuning performance. Provided maintenance support in production environment.

**Environment:** Python, Django, HTML/CSS, MS SQL Server 2012, MySQL, Script, Eclipse, GIT, GitHub, AWS, Linux, Shell Scripting.

**Optum - Minneapolis, MN Nov 2015 - Feb2017**

**Python Developer**

**Description:** Optum, the fast-growing part of UnitedHealth Group, is a leading information and technology-enabled health services business. In this project data from a different line of business and sent back to the different line in Optum.

**Responsibilities**:

* **Design, and maintain develop, test, deploy** the website.
* Developed entire front-end and backend modules using **Python on Django Web Framework**.
* Designed and developed the UI of the website using **HTML, AJAX, CSS and JavaScript**.
* **Implemented SQL Alchemy**, which is a python library for complete access over SQL.
* Designed and developed data management system using MySQL and wrote several queries to extract/store data.
* Rewrite existing **Java application in Python module** to deliver certain format of data.
* 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.
* Used **Apache, htaccess** to provide authentication system for **Django/MySQL** sites.
* Handled all the client-side validation using **JavaScript.**
* Performed testing using **Django's Test Module**.
* Added support for Amazon **AWS S3 and RDS to host static/media** files and the database into Amazon Cloud.
* Developed MapReduce jobs in python data cleaning and data processing.
* Involved in **AJAX driven application** by invoking **web services/API and parsing the JSON response.**
* Involved in writing application level code to interact with APIs, **Web Services using JSON.**
* Deployed the project into **Heroku using Django and GIT version control system.**
* Designed and Developed Restful web-services for both consumer and producer using **Django, Swagger, Gunicorn.**
* **Creating unit test/regression test framewor**k for working/new code.
* Using version control tool to coordinate team-development.
* Responsible for **debugging and troubleshooting the web application**.

**Environment:**Python, Django 1.8, Swagger, Hadoop, MySQL, XML, HTML, XHTML, CSS, AJAX, JSON, JavaScript, AWS, Apache Web Server, MYSQL and Linux.

**Sunrise Systems Inc, Edison, NJ Mar 2014 - Oct 2015**

**Python Developer**

**Description:** Sunrise Systems provides cost effective Managed Staffing Solutions, Information Technology and Information Technology Consulting Services to several Fortune 500 companies and US Government agencies. Provides strategic support for the development and long-term growth of new business ventures across several industries.

Responsibilities:

* Responsible for **Architecture and design** implementation.
* Developed an **automation module** which processes chunks of CSV file uploaded by an end user in an asynchronous manner.
* Developed web application using **Python, Django framework, MySQL.**
* Written Unit test cases using the Unit testing framework with 95% of code coverage.

Used Python scripts to update content in the database and manipulate files.

* Worked on User **Interface using Django templates, HTML, CSS, JavaScript, Bootstrap.**
* Documented all the workflow with **design details and flowchart**.
* Involved in capturing the requirements for the serial functional interface and other software requirements specification document.

**Environment:** Python, Django, Flask, MySQL, HTML5, CSS, XML, MySQL, JavaScript, Backbone JS, jQuery, MongoDB, Node.js**.**

**Disney - Orlando, FL Oct 2011 - Feb 2014**

**Python Developer**

**Description:** The Walt Disney World Resort, commonly known as Walt Disney World or often just as Disney World, is an entertainment complex in [Bay Lake](https://en.wikipedia.org/wiki/Bay_Lake,_Florida) and [Lake Buena Vista](https://en.wikipedia.org/wiki/Lake_Buena_Vista,_Florida), [Florida](https://en.wikipedia.org/wiki/Florida), U.S., near [Orlando](https://en.wikipedia.org/wiki/Orlando,_Florida) and [Kissimmee](https://en.wikipedia.org/wiki/Kissimmee,_Florida). Opened on October 1, 1971, the resort is owned and operated by [Walt Disney Parks, Experiences and Consumer Products](https://en.wikipedia.org/wiki/Walt_Disney_Parks,_Experiences_and_Consumer_Products), a division of [The Walt Disney Company](https://en.wikipedia.org/wiki/The_Walt_Disney_Company). It was initially operated by [Walt Disney World Company](https://en.wikipedia.org/wiki/Walt_Disney_World_Company). The Walt Disney Attractions Technology (WDAT) team combines custom technology solutions with creativity to produce robust applications that enhance all aspects of the guest experience.

**Responsibilities:**

* Participated in the complete **SDLC process** and used Python to develop website functionality.
* Developed entire frontend and backend modules using **Python scripting on Django Web Framework.**
* Designed and developed data management system using **MySQL**. Built application logic **using Python 2.7**.
* Used **Django APIs** for database access.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked with the team to customize word press security installations.
* Used python scripts to Work with Facebook Platform **Python SDK** to access and post on Facebook page's wall.
* Worked on development of **SQL** and stored procedures on **MYSQL**.
* Self-motivated team player with good Analytical, Logical and Problem-solving ability.
* Designed and developed a horizontally scalable APIs using Flask.
* Designed Cassandra schema for the APIs.
* Designed RESTful **XML web service for handling AJAX requests**.
* Developed remote integration with third party platforms by using RESTful web services.
* Updated and maintained **Jenkins for automatic building jobs** and deployment.
* Implemented database access using **Django ORM.**
* Backend data access modules using **PL/SQL stored** procedures and Oracle were designed and created.
* **Created RESTful API's calls with server**, parse output report of excel files.
* Extensively used python modules such as requests**, urllib, urllib2 for web crawling**.
* **Used Pandas API** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Used Test Driven Approach for developing the application and implemented the unit tests using **Python Unit Test framework**.
* Used many regular expressions in order to match the pattern with the existing one and store them in data base on a **chronological basis**.
* Implemented code to perform **CRUD operations on MYSQL using Toad**.
* Deployment of the web application using the **Linux server**

**Environment**: Python 2.7, Django Framework 1.3, CSS, PyCharm, SQL, MySQL, LAMP, jQuery, Adobe Dreamweaver, Apache web server.

**SITEL India - Hyderabad, Telangana** **July 2010 - Sep2011**

**Software Developer**

**Description:** SITEL Group combines comprehensive customer care capabilities with unparalleled digital, training and technology expertise to help build brand loyalty and improve customer satisfaction. We partner with our clients to effectively harness our industry’s explosive digital transformation to ensure an innovative, end-to-end solution to managing and enhancing the customer experience. **Responsibilities:**

* Participated in the development of **application architecture and blueprints** to define application components.
* Specification of platforms, interfaces and development tools.
* Used Python scripts for **automation** of production tasks.
* Generated property list for every application dynamically using **Python**.
* Rewrite existing **Java** **application** in **Python** module to deliver certain format of data.
* Was responsible for analyzing various cross-functional**, multi-platform applications systems** enforcing Python best practices and provide guidance in making long term, scalable architectural design decisions.
* Involved in various phases of **Software Development Life Cycle (SDLC)** such as requirements gathering, modeling, analysis, design and development.
* Used **PyQuery** for selecting particular **DOM elements** when parsing **HTML**.
* Created PyUnit test scripts and used for **unit testing**.
* Worked with **JSON** based **REST** **Web** **services**.

**Environment:**Python, Django, PyUnit, PyQuery, HTML, CSS, DOM, REST, AJAX, jQuery, AWS, Git, Oracle and Linux.