**Chittibabu G**

**Python Developer**

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**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience as a Web/Application Developer and coding with analytical programming using Python.
* Experience in analysis, design, and development, testing, implementation and maintenance of various web applications using **Python** and **Django**.
* Experience with Django and **Flask** a high-level Python Web framework.
* Experienced with full **Software Development Life-Cycle** (SDLC), architecting scalable platforms, Object Oriented Programming, Database Design and Agile Methodologies.
* Experience with Requests, **Numpy**, **Scipy**, **Matplotlib**, and **Pandas** python libraries during development lifecycle.
* Experience with automation/configuration management using tools like **Ansible**, **Puppet**,**Chef** and **SaltStack**.
* Knowledge on Open Stack Environment Implementation and the architecture using **API** to integrate between multiple utilities (storage, Monitoring, computing, Authentication & Authorization.
* Experience working with notebook technologies like **Jupyter** and open Source distribution **Anaconda**.
* Worked with python libraries from Python Package Index (**PyPI**).
* Experience with **Jenkins** and Enterprise **GitHub**. Worked on Jenkins continuous integration tool for deployment of project.
* Experience with creating Complex **Spotfire** Dashboards, Maintaining the existing Dashboards, Reports and Administration activities
* Experience with Implementing Data warehouse solutions in Amazon**Redshift**, Oracle and SQL Server.
* Good Experience in **Tableau** Analytics. Build Dashboards for clients using Tableau.
* Experience in end to end design and deploy rich Graphic visualizations with Drill Down and Drop down menu option and Parameterized using **Tableau**.
* Worked on Loading and transforming large sets of structured, semi structured and unstructured data using **Hadoop**, **Bigdata** concepts.
* Proficient in **SQL** databases **MSSQL** Server, **MySQL** (RDBMS), **Oracle** DB, **Postgres** and **MongoDB**.
* Working experience on **JSON** based **REST** Web services and Amazon Web Services **(AWS)** Suchas **EC2, Lambda, ELB,SQS**(Queuing Services), **VPC** and cloud watch.
* Working knowledge on **Kubernetes** to deploy scale, load balance, and manage **Docker** containers with multiple namespace versions.
* Having experienced in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on **MySQL**, PL/SQL and **PostgreSQL** database.
* Basic understanding of protocols/technologies like **HTTP, LDAP, JDBC, SSL, Servlet/JSP, SQL, HTML, XML**
* Good knowledge on **IBM Websphere** Application Deployment and maintenance of an application on Application Server using clusters concept and **IBM Tivoli Monitoring**.
* Knowledge in **Data mining** and **Data warehousing** using **ETL** Tools and Proficient in Building reports and dashboards in **Tableau** (BI Tool).
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.
* Experience in implementing **PEP8** coding standards.
* Familiar with Agile and **Waterfall** development methodologies. Followed **Agile** **Methodologies** (**Scrum**) involved in daily stand-up meetings.
* Hands on experience with Agile project management tools such as **JIRA**, **Version One**
* 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.
* Experienced in working with different operating systems like **Windows**, **Ubuntu** Linux and UNIX.

**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, Visio, IBM Websphere, |
| **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 |

**Education**: Bachelor of Technology in Electronics and Communication Engineering JNTU KAKINADA, Andhra Pradesh

**Professional Experience:**

**Samsonite, Mansfield, MA Jun 2017 – Present**

**Python Developer**

**Description:** Samsonite is the worldwide leader in superior travel bags, luggage, and accessories combining notable style with the latest design technology and the utmost attention to quality and durability. We are principally engaged in the design, manufacturing, sourcing, and distribution of luggage, business and computer bags, outdoor, casual bags, travel accessories and slim protective cases for personal electronic devices.

**Responsibilities:**

* Designed and developed the server module and resolved issues and responsible for its enhancements.
* Architected and developed **Python** and **Django** for the backend development and front-end application using **React**, **Webpack**, **Redux**, and **ES6**/7 and **PostgreSQL** for the database.
* Worked on **Django** **ORM** module for signing complex queries.
* Defined different **Django API** profiling techniques for faster rendering information.
* Used **Ansible, Vagrant**, and **Docker** for managing the application environments.
* Developed Python scripts for testing the car functioning on different services.
* Worked with **Splunk** for testing the performance and debugging server level problems.
* Implemented various Validation Controls for form validation and implemented custom validation controls using Object Oriented **JavaScript**.
* Used React JS in components like JSX, creating React components, Virtual **DOM, React Props**, Lifecycle methods, working with the React States and Events.
* Developed Restful Micro Services using Flask and Django and deployed on **AWS** servers using **EBS** and **EC2**.
* Developed views and templates with Django view controller and template to create a user-friendly website interface.
* Worked on **Django** and **RabbitMQ** queues.
* Used Circle CI for continuous integration and delivery platform over **GIT**.
* Used **Django** **Migrations** for designing and expanding of the database.
* Automated most of the daily task using python scripting.
* Involved in the CI/CD pipeline management for managing the weekly releases.
* Worked on **Jira** for managing the tasks and improving the individual performance.
* Making recommendations to the team in terms of appropriate testing techniques, shared testing tasks.

**Environment:** Python 2.6/2.7, JavaScript, Django Framework 1.3, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server. GitHub, Ansible, HTML5/CSS, PostgreSQL, Amazon Web Service (AWS), S3, EC2, EBS, PyCharm, Microsoft Visual Code, Linux, Shell Scripting, JIRA.

**Catholic Health Initiatives, Lincoln, NE Dec 2016 – May 2017**

**Python Developer**

**Description:** Catholic Health Initiatives is a global health service company with 95 million customers around the world and more than 40,000 employees worldwide. As your partner in health, we’re available for our customers 24/7 with an expansive network built to help them meet their health goals. We're on a mission to improve our customers’ health, well-being, and sense of security with the power of preventive care.

**Responsibilities:**

* Mainly used Python alongside using various libraries such as **Matplotlib** for charts and graphs, **MySQL dB** for database connectivity, Python -twitter, **PySide, Pickle, Pandas data frame**, network.
* Developed an embedded software data driven test automation framework in Linux/Python. Designed test cases and authored test plans.
* Developed a fully automated continuous integration system using Git**, Gerrit, Jenkins, MySQL** and custom tools developed in Python and Bash.
* Used Python with **OpenStack, OpenERP** (now ODOO), **SQL Alchemy, DJango CMS** etc.
* Provide team guidance from agile experience/learning and day-to-day support to the scrum team.
* Configured **SiteMinder** web agents, Affiliate agents and RADIUS agents to provide federation of web services in the SSO environment.
* Developed website based on Django CMS.
* Developing dynamic web pages using **HTML, CSS, Bootstrap, jQuery & D3JS**.
* Created and populated digital brochures using Page Turn Pro and built photo galleries on website in the Django CMS and also using Django CMS plugin.
* Configuring SSO for different applications in different domains with Cookie Provider and troubleshooting issues related to them.
* Maintenance and development of a high-traffic and -demand site and platform running on a custom-rolled Django CMS.
* Managing content population and deployments through **Django CMS**.
* Experience in designing and developing interactive User Interfaces, usability, web and client/server applications using **HTML5, CSS3, Bootstrap, JavaScript** and **JQuery**.
* Installing new Web Agents on Unix Apache servers and Windows IIS servers for implementing SSO for new applications.
* Experience using Content Management Systems: **WordPress** and **Django CMS plugins.**
* Expertise in client scripting language and serve scripting languages like **JavaScript, JQuery, JSON** and **Bootstrap.**
* Used the **Node.js**, Angular.js MVC Frameworks in the development of the web applications. Unit testing with JavaScript and node.js.
* Consumed REST based Microservices with Rest template based on **RESTful** APIs and designed, developed and tested **HTML, CSS, jQuery** and **React.js** that meets accessibility and web browser standards for car dealerships websites.

**Environment:** Python, Django, Django-cms, SSO, database access, Django-cms plugins, Bootstrap, JavaScript, HTML5, CSS3, Agile.

**VISA - Austin, TX Jul 2015 to Nov 2016**

**Python Developer**

**Description**: Visa is a global payments technology company that connects consumers, businesses, financial institutions, and governments to fast, secure and reliable electronic payments. The project deals with accepting both web and mobile payments. This system allows the client or customer to make payments with vault. It focuses on making the payment process easier and more secure.

**Responsibilities**:

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle (**SDLC**) and used Agile methodology for developing application.
* Upgraded existing UI with HTML, CSS, **jQuery** and **Bootstrap**.
* Working as an application developer experienced with controllers, views and models in Django.
* Used **Ansible** to configure and manage the infrastructure.
* Used **AWS** Cloud Watch to monitor and store logging information.
* Worked on **Docker CE** and curl.
* Implemented the application using Python Spring IOC(Inversion of Control), Django **Framework** and **Apache spark** handled the security using Python Spring Security.
* Responsible for handling the integration of database systems.
* Used object/relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema
* Implemented Performance tuning and improved the Performance of Stored Procedures and Queries.
* Performed database operations and queries using **MySQL**.
* Worked on **JAVA** applications.
* Worked on Jenkins for continuous integration to build code and deploy into remote servers.
* Extensively worked on Jenkins by configuring and maintaining for continuous integration and for end to end automation for all build and deployments.
* Deployed project into Amazon web services (**AWS)** using **Amazon** elastic bean stalk.
* Worked on for processing multiple datasets.
* Responsible for third party tool integration
* Wrote and executed automated test cases with selenium to automate manual testing solutions.
* Responsible for **debugging** and **troubleshooting** the web application.
* Wrote unit testing codes using **unit test,** resolving bugs and other defects.
* Used **JIRA** to assign, track the stories and tasks.
* Worked on **GitHub** enterprise.

**Environment:** Python, Django, Angular JS, HTML, CSS, JavaScript, JQuery, Sublime Text, Jira, GIT, py Builder, unit test, Web Services, AWS, S3,Spark, Selenium, RedHat Linux, Jupyter, NumPy, Pandas, JSON.

**Whirlpool Corporation - Stockton, CA Sep 2013 to Jun 2015**

**Python Developer**

**Description:** Worked on development of customer support and complains registration system for Whirlpool. This is a Post sales and Customer feedback and complains management system.

**Responsibilities:**

* Design, develop, test, deploy and maintenance of the website.
* Designed and developed the UI of the website using **HTML, AJAX, CSS and JavaScript.**
* Developed entire frontend and backend modules using **PHP/Python**.
* Designed and developed data management system using **MySQL**.
* Developed and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript and jQuery.**
* Rewrite existing **Java modules** to deliver certain format of data.
* Worked on web-scraping the WebPages and used modules like **urllib2, Beautiful Soup and pandas.**
* Wrote python scripts to parse **XML** documents and loaded the data in database.
* Used Python libraries such **numpy, scipy, Matplotlib** and **pandas**
* Automated the existing scripts for performance calculations using **Numpy.**
* Generated property list for every application dynamically using python.
* Handled all the client side validation using **JavaScript**.
* Creating unit test/regression test framework for existing code
* Created an Test Automation Framework with **Selenium** for test automation process
* Using **Subversion** version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting of web application.

**Environment:** Python 2.6, Flask web framework, Java, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, Apache Web Server, Spark, Pandas,numpy, scipy, Matplotlib, AWS.

**Dow Jones Market, New York, NY Oct 2012 – Aug 2013**

**Python Developer**

**Description:** The Dow Jones Industrial Average, or simply the Dow, is a stock market index that shows how 30 large, publicly owned companies based in the United States have traded during a standard trading session in the stock market.

**Responsibilities:**

* 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, C++**.
* Used **JMS** for updating Mailing plans and tracking them.
* Used Java Server Pages for content layout and presentation.
* 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
* Configuration and installation of **MongoDB** Servers and Ops Manager in Integration, Test and Prod Environment.
* Worked on Installation and configure **MongoDB** Cluster nodes on different **AWS EC2** instances.
* Supported Java application for Media portal management.
* Generated **SWIG** interfaces to co-ordinate between **C++, Java** and Python. Used JNI for communication between C++ and Java.
* Implementing complete web SSO features with Identity Federation with **SAML 2.0** compliance.
* Responsible for federating with clients using SAML and proprietary SSO.
* 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 & fine-tuning performance.
* Provided maintenance support in production environment.

**Environment:** Python, Django1.4, HTML/CSS, MS SQL Server 2012, MySQL, Script, Eclipse, GIT, GitHub, AWS, Linux, Shell Scripting.

**CMC – Hyderabad, India Aug 2009 to Sep 2012**

**Python Developer**

**Responsibilities:**

* Involved in developing the UI pages using **HTML, DHTML, CSS, JavaScript, JSON, jQuery, Ajax**
* Involved in various phases of Software Development Life Cycle **(SDLC)** such as requirements gathering, modeling, analysis, design and development.
* Performed Design, involved in code reviews and wrote unit tests in Python.
* Designed the database schema for the content management system Performed Design and Code reviews.
* Wrote Python scripts to parse **XML** documents and load the data in database.
* Generated Use case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase.
* Responsible for entire data migration from Sybase **ASE** server to Oracle.
* Migration of **API** code written for Sybase to Oracle.
* Overlook the migration activity of **PL/SQL** programs.
* Migration of the **PL**/**SQL** code from Sybase to Oracle.
* Migration of the data contained in the earlier **ASPL** Database from Sybase to Oracle.
* Migrate the Libraries written using Sybase **API's** to Oracle's **OCCI API's**.
* Automation of testing using Python.

**Environment**: Python, Java, JDBC, XML, PL/SQL, SQL, web services.