## Prabhas

## Email:rizwan@orabasesolutions.com

**Phone :972-968-8404 Sr. Python Developer**

**PROFESSIONAL SUMMARY**

* **9+** Years of 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.
* Experienced with full software development life-cycle (**SDLC**), architecting scalable platforms, object oriented programming (**OOPs**), database design and **agile** methodologies.
* Experience in developing web-based applications using **Python 3**, **Django 1.10/9**.
* Good experience of software development in **Python** (libraries used: **Beautiful Soup**, **numpy**, **scipy**, **matplotlib**, **python-twitter**, **Pandas data frame**, **network**, **urllib2**, **MySQL dB** for database connectivity) and **IDEs** - **sublime text**, **Spyder**, **pycharm**, **emacs**.
* Extensive experience in **system analysis**, **design**, development and implementation of web based and client/server application using **HTML**, **Angular JS**, **Bootstrap**, **underscore JS**, **Node JS**, **CSS**, **JavaScript**, **AJAX**,**XML**, **Python**, **Django**.
* Good experience in developing web applications implementing **MVT**/**MVC** architecture using **Django**, **Flask**, **Webapp2** and **spring** web application frameworks.
* Experienced in **MVC** frameworks like **Django**, **Angular JS**, **Java Script**, **JQuery** and **Node.js**.
* Experienced in web applications development using **Django/Python**, **Flask/Python**. And **Node.js**, **Angular.js**, **JQuery** while using **HTML/CSS/JS** for server-side rendered applications.
* Worked closely with designer, tightly integrating Flash into the **CMS** with the use of **Flash vars** stored in the **Django** models. Also created **XML** with **Django** to be used by the **Flash**.
* Good Experience in **Linux Bash scripting** and following **PEP** Guidelines in **Python**.
* Using **Django evolution** and manual **SQL** modifications, was able to modify **Django** models while retaining all data, while site was in production mode.
* Experienced with databases using **ORMs/DOMs** for integrating with **MySQL**, **Postgres**, **Neo4J**, **MongoDB**, and **Cassandra SQLite**. Also, experienced with writing custom queries through database connectors.
* Successfully migrated the **Django** database from **SQLite** to **MySQL** to **PostgresSQL** with complete data integrity.
* Architecture, size (Capacity planning), **Data modeling**, implementation and support **Cassandra** Clusters including install, configure and upgrade DSE v3/4 (Cassandra v 1/2.x) and **OpsCenter** v 4.x/5.x on Bare metal and Cloud including **AWS** (Amazon Web Services).
* Extensive experience in designing **MongoDB** multi-sharded cluster and monitoring with **MMS**.
* Good Knowledge of web services using **SOAP** and **REST** protocols.
* Used **Node.js** as a proxy to interact with **Rest** services and also interacting with **Database**.
* Excellent Experience and knowledge in using **XML**, **SOAP**, web Service for inter operable software applications.
* Good knowledge of version control software – **CVS**, **GitHub**
* Experienced in **Agile** Methodologies, **Scrum** stories and sprints experience in a **Python** based environment, along with **data analytics**, **data wrangling** and **Excel data extracts**.
* Skilled in **debugging**/**troubleshooting** issues in complex applications.
* Excellent experience with **Python** development under **Linux OS and Mac OS** (**Debian**, **Ubuntu**, **Cent OS**, **RedHatLinux**, **Fedora**).
* Experience in Database Administration, development, design, maintenance and production support of relational databases, business applications, new server setup, **MySQL** Server installation, upgrade, migration.

**Technical Skills:**

* **Primary Languages :** Python, Java, C,C#,C++
* **Python Libraries :** numpy, scipy, matplotlib, Pandas data frame, urllib2
* **Frameworks :** Bootstrap, Django, Node.JS, Flask, Pyramid
* **Database :** Sqlite3, MSSQL, MySQL, Mongo DB, Oracle 11g,NoSQL
* **IDE’s :** PyCharm, Eclipse, MS Visual Studio
* **Servers :** Apache Tomcat, WebSphere, WebLogic
* **Deployment tools :** MS Azure, Amazon Web Services (EC2, S3, EBS, ELB, SES)
* **Web Technologies :** HTML, CSS, DHTML, XML, Java Script
* **Operating systems :** Windows, Mac, Fedora Linux, Red hat Linux, Cent OS
* **SDLC Methods :** SCRUM, Agile
* **Testing Frameworks :** Junit, TestNG, ROBOT, JXL,
* **Bug Tracking Tools :** JIRA, Bugzilla.
* **Version Controls :** SVN, Github, Git

**Education:** B.tech in Computer Science/JNTUH/Hyderabad, India

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| **PROFESSIONAL EXPERIENCE** |

**TDS Telecom, Madison,WI Oct 2016-Till Date**

**Sr. Python Developer**

**Description:**

TDS Telecom provides innovative voice, internet, entertainment services, and leading-edge business technology for customers in rural and suburban communities nationwide. It has been connecting customers with reliable, high-quality products and services while centering on delighting customers. It provides internet, entertainment services to both wireline and cable order customers.

**Responsibilities**:

* Develop the existing application to enhance the features using the **Django Framework** and improve the performance using **SOAP** Web services.
* Involved in the Analysis, Design and Development of the application.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML**, **CSS**, **JavaScript** and **JQuery**.
* Managed, developed, and designed a **dashboard** control panel for customers and Administrators using **Django**, **HTML**, **Bootstrap**, and **RESTAPI** calls using the JSON.
* Creating website interface by templates and views with **Python 2.7** and Django views controller and template language.
* **AWS** Administrator account and credentials which will allow you to create other users, groups, and roles within the **Identity & Access Management (IAM) Service.**
* Experienced in developing web-based applications using **Python, Django, CSS, HTML, JavaScript and Jquery.**
* Used GitHub for version contro**l** and added support for Amazon **AWSS3** and **RDS** to host static/media files and the database into **Amazon Cloud.**
* Integrating the application with **Django REST framework** for building the API’s.
* Working on SQL stored procedures that are used to access that data and deploy to SQL server database.
* Using **SSH** for authentication and managing systems and applications remotely.
* Worked with on **AJAX** framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Creating **Restful** web services for Catalog and Pricing with **DjangoMVT**, **MySQL and Oracle.**
* Recording of scripts using **SOAPUI** and validate through co-relation and parameterization.
* Security measures that the customer implements and operates, related to the security of customer content and applications that make use of **AWS services**.
* Interacting with client server admin team and educate the **SOA** functionality from configuration and maintenance point of view.
* Evaluated **JSON** based REST, SOAP Web services on **Amazon Web services (AWS**) along with EBS and RDS.
* Using SQLAlchemy with Flask and **PostgreSQL** as database for developing the web application.
* Used **REST** and **SOAPUI** for testing **web service** for server-side changes.
* Developing scipts for build, deployment, maintain and related task using Jenkins, Maven, Python, Bash.
* Designed and implemented a **SOA** microservice with a JSON HTTP **REST API** for recent activity feeds using **AWS** SQS to handle over 1-million writes per day.
* Develop custom solution that act upon Jenkins information in real time.
* Continuous improvement in integration workflow, project testing, and implementation of continuous integration pipeline with Jenkins. Implemented code coverage and unit test plug-ins with Maven in Jenkins.

**Environment:** Python 2.7, Django 1.10, MySQL, Python Scripting, MongoDB, AJAX, SOAP, REST, JQuery, JavaScript, Bootstrap, PyCharm, AWS (EC2, S3, RDS)

**Centence Corporation,MO Mar 2015 – Sep 2016**

**Sr. Python Developer**

**Description:**

Centene Corporation, is a diversified, multi-national healthcare enterprise that provides a portfolio of services to government-sponsored healthcare programs, focusing on under-insured and uninsured individuals. It also contracts with other healthcare and commercial organizations to provide specialty services including behavioral health management, care management software, correctional healthcare services, dental benefits management, telehealth services.etc.

**Responsibilities**:

* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML**, **CSS**, **JavaScript** and **JQuery**.
* Utilized **Python** libraries **wxPython**, **numPY**, **Twisted** and **matPlotLib**.
* Familiar with JSON based REST Web Services and Amazon Web Services(AWS).
* Used **Wireshark**, live **http** headers, and **Fiddler2** debugging proxy to debug the **Flash** object and help the developer create a functional component. The **PHP** page for displaying the data uses **AJAX** to sort and display the data. The page also outputs data to .**csv** for viewing in Microsoft Excel.
* **Parsers** written in **Python** for extracting useful data from the design data base.
* Creating **restful** web services for Catalog and Pricing with **DjangoMVT andMySQL.**
* Experience in Infrastructure Development and Operations involving **AWS** Cloud platforms.
* Representation of the system in hierarchy form by defining the components, subcomponents using **Python** and developed set of **library** functions over the system based on the user needs.
* Generated graphical reports using **python** package **Numpy** and **matPlotLib**.
* Used **Python** based **GUI** components for the front end functionality such as selection criteria. Administration of dedicated collocated **RHEL** 4 machine and configured complex **Apache** configuration files.
* Proficient in writing SQL Queries, Stored procedures, functions, Packages, tables, views, triggers using relational databases like **PostgreSQL**.
* Used version control and added support for Amazon **AWSS3** and **RDS** to host static/media files and the database into **Amazon Cloud**.
* Designed and maintained databases using Python and developed Python based **API** (RESTful Web Service) using **Flask**, **SQLAlchemy** and **PostgreSQL**.
* Writing **Python scripts** with **Cloud Formation** templates to automate installation of **Auto scaling**, **EC2**, **VPC**, and other services.
* Developed tools using **Python**, **Shell** scripting, **XML** to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Used third party **JQuery** based plug-ins like **Jquery UI**, **Data tables** etc. Heavily used **JavaScript** for Form Submit and other **UI** elements during development.
* Created a **Python**/**Django** based web application using Python scripting for data processing, **MySQL.**
* Used **REST** and **SOAPUI** for testing **web service** for server side changes.
* Monitoring and tuning the SOA infrastructure for ample load.
* Experienced with databases using ORMs/DOMs for integrating with MySQL, **PostgresSQL**.
* Scripting for backup jobs and other SQL administered tasks.
* Used Docker plugins to setup Docker containers for build slave for Jenkins.
* Planning and identification of service opportunities in various projects, Architecting and Modeling solutions as part of **SOA**.

**Environment:** Python 3.4/2.7, Django 1.9, Python scripting, NoSql, MongoDB,MySQL, AJAX, SOAP, REST, JQuery, JavaScript, Bootstrap, AWS (EC2, S3, RDS).

**State of New York, NY Nov 2013-Feb 2015**

**Python Developer**

**Description:**

The objective of the Actionable Dashboard project is to build a decision support system for health. It leverages all the sources of doctors, specialist and course data (e.g., practical exercise performance; individual,state and national results, specilist demographic and behavioral data, notes, performance metrics, etc.), coupled with advanced analytics, to deliver actionable dashboards with more-timely activities.

**Responsibilities:**

* Recording of Scripts (Web, Web Services HTML) using **Vugen** and **SoapUI** and script validation through co correlations, parameterizations and other methods. Scripting- web and **web services**.
* Application was based on service oriented architecture and used **Python 2.7**, **Django1.5**, **JSF 2**, **Spring 2**, **Ajax**for the frontend.
* Created server monitoring daemon with **Psutil**, supported by **Django** app for analytics which I created. Also researched big data solutions with **Cassandra database**.
* Experience with Data migration from **Sqlite3** to **Apache Cassandra** database. **Cassandra** data model designing, implementation, maintaining and monitoring using **DSE**, **Dev Centre**, **Datastax Opscenter**.
* Build the Silent Circle Management System (**SCMC**) in **Django**, **Python**, and **Node.JS** while integrating with infrastructure services.
* Created a **Python**/**Django** based web application using Python scripting for data processing, **MySQL** for the database, and **HTML**/**CSS**/**JQuery** and **High Charts** for data visualization of the served pages.
* Strong Socket programming experience in **Python**. Implemented complex networking operations like **raceroute**, **SMTP** mail server and **web server**.
* Used existing Deal Model in **Python** to inherit and create object data structure for regulatory reporting.
* Used standard **Python** modules e.g. **csv**, **robotparser**, **itertools**, **pickle**, **jinja2**, **lxml** for development.
* Automated RabbitMQ cluster installations and configuration using Python/Bash.
* Used **PandasAPI** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Experience in using various version control systems like **CVS, Git**and Amazon EC2 and deployment using Heroku.
* Worked extensively with **Bootstrap**, **JavaScript**, and **JQuery** to optimize the user experience.
* Application programs can exchange data with **TCP** by establishing and maintaining network.
* Carried out various mathematical operations for calculation purpose using **python libraries**.
* Built various **graphs** for business decision making using **Pythonmatplotlib** library.
* Fetched **twitter** feeds for certain important keyword using **python-twitter** library.
* Used **Python** library **Beautiful Soup** for **web scrapping** to extract data for building **graphs**.
* Performed troubleshooting, fixed and deployed many **Pythonbug** fixes of the two main applications that were a main source of data for both customers and internal customer service team.

**Environment:** Python, Django, Cassandra, RabbitMQ, Vugen, SoapUI, Node.JS, REST API,HTTP,TCP, Bash, PyDev, Spyder, Agile, GitHub.

**EDASSIST, Watertown, MA Mar 2013-Oct 2013**

**Django Developer**

**Description:**

EdAssist helps organizations transform tuition assistance programs into strategic investments that drive employee growth, retention, and engagement. Serving in a consultative role, we bring together the latest best practices, personal advising, intuitive software, and an impressive Education Network to support key business goals while reducing tuition spend and improving program efficiency.

**Responsibilities:**

* Used **Django** framework for application development.
* Developed user interface using, **CSS, HTML**, **JavaScrip**t and **Jquery** and **Django**.
* Assisted in reduction of cost and optimization of supplier selection for the **CRM** Applications. Also used methods for cross application use using the Class Builder and Object Oriented programming. Generated an API Reference guide to help application developers for creating the software applications to store data using **DDN S3** (compatible with Amazon S3 API) or **DDN** OpenStack Swift **API** calls.
* Ensured high quality data collection and maintaining the integrity of the data.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries. Used **TDD** (Test driven development) methodology.
* Used several python libraries like **wxPython, numPY** and **matPlotLib**.
* Was involved in environment, code installation as well as the SVN implementation.
* Build all database mapping classes using **Django** models and **Cassandra**.
* Used **PandasAPI** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Designed and developed data management system using **MySQL**.
* Creating unit test/regression test framework for working/new code.
* This project also used other technologies like **JQuery** for javascript manipulations, bootstrap for the front-end html layout.
* Designed and configured database and backend applications and programs.

**Environment:** Python, Django, Cassandra, JavaScript, RabbitMQ, SoapUI, Node.JS, wxPython, numPY, PandasAPI, PyDev, Agile.

**SIM Solutions Pvt. Ltd, Hyderabad, India Oct 2011-Feb 2013**

**Python Developer**

**Description:**

**SIM Solutions Pvt. Ltd** is a medical device development. We develop medical devices and provide product development services to firms.

**Responsibilities**:

* Translated the customer requirements into design specifications and ensured that the requirements translate into software solution.
* Application was based on service oriented architecture and used **Python 2.5**, **Django 1.5**, **JSF 2**, **Spring 2**, **Ajax**, **HTML**, **CSS** for the frontend.
* Designed the front end of the application using **Python**, **Java**, **HTML**, **CSS**, **AJAX**, **JSON** and **JQuery**. Worked on backend of the application, mainly using Active Records.
* Involved in the design, development and testing phases of application using **AGILE** methodology.
* Developed and designed an **API** (**RESTful** Web Service).
* Designed and maintained databases using Python and developed Python based **API** (RESTful Web Service) using **Flask**, **SQLAlchemy** and **PostgreSQL**.
* Developed web sites using **Django**, **Python**, **XHTML**, **CSS**, **and JavaScript**.
* Tested and implemented applications built using Python.
* Developed and tested many features for dashboard using **Python, ROBOT framework, Bootstrap, CSS, and JavaScript.**
* Automated Regression analysis for determining fund returns based on index returns (**Python**/**Excel**).
* Worked on development of **SQL** and stored procedures, trigger and function on **MYSQL**.
* Developed shopping cart for Library and integrated web services to access the payment.
* Used **Php** language on **lamp** server to develop page.
* Developed server based web traffic statistical analysis tool using **Flask**, **Pandas**.
* Implemented and tested **python** based web applications interacting with **MySQL**.
* Developed dynamic interaction page on .net **MSvisualbasic**-2014, using **SQL** developer tools.
* Simple web app for reviewing sitcoms that gives users the ability to view, add, review, up/down vote, search, etc.
* Involved in doing **AGILE** (**SCRUM**) practices and planning of sprint attending daily agile (**SCRUM**) meetings and **SPRINT** retrospective meetings to produce quality deliverables within time.

**Environment:** Linux, Python, Mod Python, PHP, MySQL, JavaScript, Ajax, Shell Script, HTML, CSS

**SUNERA TECHNOLOGIES, Hyderabad, India Jan 2008– Sept 2011**

**Java Developer**

**Description:**

Sunera Technologies is wide range of banking products and financial services for corporate and retail customers through a variety of delivery channels and specialized subsidiaries in the areas of investment banking, life, non-life insurance, venture capital and asset management.

**Responsibilities:**

* Developed application service components and configured beans using **Spring IOC**, creation of **Hibernate** mapping files and generation of database schema.
* Implemented modules using **Core Java APIs**, **Java collection**, **Threads**, **XML**, and integrating the modules.
* Developed Reporting framework using **JAVA** and **J2EE** which will generate daily, monthly and yearly reports and prepared different framework design documents.
* Created tables, views, Types, triggers, complex join queries, stored procedures, and functions and modifications to existing database structure as required for addition of new features using **SQL developer**.
* Involved in web designing using **HTML 4/5**, **XHTML**, **CSS 2/3**, **JQuery**, **JavaScript** extensively used Table less Design in **CSS** for positioning.
* Used **MVC** Architecture in spring framework and implemented custom tag libraries.
* Generated Use case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase.
* Used **Java/J2EE** Design Patterns such as Business Delegate, Session Facade, singleton in the project extensively, which facilitates clean distribution of roles and responsibilities across various layers of processing.
* Configured Hibernate second level cache using **EHCache** to reduce the number of hits to the configuration table data.
* Extensively Used Ant tool to build and configure **J2EE** applications and used **Log4J** for logging in the application.
* Implemented client side validations for Search and Security modules using **JavaScript** and Validation Framework.
* Responsible for design and implementation of various modules of the application using **Struts-Spring-Hibernate** architecture.
* Automated the **HTML** and **JSP** pages indexing process of search module using **ApacheAnt** tool and singleton design pattern.
* Tested **JSPs** and Servlets used in search, security and scheduler modules using **Cactus API**.
* Done extensive coding using **Java**, **J2EE** for enhancements and bug fixes in **agile** development environment.

**Environment:** Java, J2EE, JSP, Struts, Hibernate, HTML, Eclipse, Apache Ant, JavaScript, JQuery, Oracle 10g, Windows XP

**Thanks & Regards**

**Rizwan | Sr. IT Recruiter  
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