# Soujanya

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**Experience Summary:**

* Over 8+ **years** of experience as an Analysis, Design, Development, Management and Implementation of various stand-alone, client-server enterprise applications using **Python**.
* Strong experience in developing software in Python using libraries- **Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB** for database connectivity and IDEs - **sublime text, PyStudio, PyScripter, Spyder, PyCharm, and PyDev**
* Sound experience in working with different python editors like **PyCharm, PyScripter, PyStudio, Sublime Text, Emacs and Spyder**
* Having experienced in **Agile** Methodologies, **Scrum** stories and **sprints** experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Experience in implementing server-side technologies with **restful** **API** and **MVC** design patterns in node JS and Django framework.
* Implemented automation using **Selenium WebDriver, Python**.
* Experienced with full software development life-cycle, architecting scalable platforms, object-oriented programming, database design and agile methodologies
* Strong Experience in Automating Web Application Testing using **Selenium WebDriver** with Testing Framework.
* Build all database mapping classes using Django models with the help of **ORM** like **SQLAlchemy**.
* Expert in analyzing test results and preparing test/defect summary report for Sr. Management.
* Experience in **Python, Django, Zope, Pyramid Framework**
* Strong exposure testing applications on different browsers like IE, Firefox, Chrome.
* Expertise in locating the web elements using **XPATH** and **CSS**.
* Experienced in **WAMP** (Windows, Apache, MYSQL and Python) and **LAMP** (Linux, Apache, MySQL, and Python) Architectures.
* Good experience in setting up REST API using **Django**.
* Firm knowledge of different phases of Software Testing and **Software Development Life Cycle** (SDLC) including **Agile Methodology** and **Waterfall**.
* Worked on Python Testing frameworks like **zope, pytest, nose** and **Robot framework**.
* Good Experience in **Linux Bash scripting** and following **PEP** Guidelines in Python.
* Good knowledge in front end technologies such as **HTML5, CSS3, Bootstrap, JavaScript, Node.JS, Angular.JS, XML, Ajax** and **JQuery.**
* Good knowledge in Object-Oriented Analysis, Design and development of applications using **Core Java, Servlets, JSP, JDBC, RMI, Multithreading, Eclipse** and **Tomcat**.
* Good understanding of NoSQL databases such as **MongoDB, Datastax, Redis** and **Apache Cassandra**.
* Familiar with **JSON** based REST Web services and Amazon Web services.
* Proficient in writing **SQL** Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like **Oracle, DB2, MySQL and MSSQL Server.**
* Skilled in **debugging/troubleshooting** issues in complex applications.
* Expertise in **Object-Oriented** design and coding. Good knowledge of various Design Patterns and **UML**.
* Followed **Agile Methodologies** (Scrum), involved in daily standup meetings.
* Experienced in unit testing and testing using **Selenium**.
* Good Experience on **Selenium IDE** and creating Scripts in selenium --RC by using Python
* Experienced in developing applications using Amazon web services like **EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front, Route 53**.
* Experienced in Version controlling tools like **Dimensions, Git, CVS** and **SVN** and build Tools like **Hudson, Clear Case** and **Ant**.
* Good Experienced in developing web-based applications using **Python, Django, PHP, C++, XML, CSS, HTML, DHTML, JavaScript** and **JQuery, MVC3, RESTful, RUBY, AJAX**
* Good experience in **Shell Scripting, SQL Server, Unix and Linux, Open stock.**
* Expertise in Object-Oriented design and coding. Good knowledge of various Design Patterns and UML.
* Have good idea about development tools like **Bugzilla, Jira, Confluence, and Axosoft**.
* Expert in maintaining technical documentation for projects.
* Good analytical and problem-solving skills and ability to work on own besides being a valuable and contributing team player.
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.

**Technical Skills:**

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| **Frameworks** | Django, Flask, Zope, PyJamas, Jython, Struts and CSS Bootstrap |
| **Web Technologies** | HTML, CSS, Java Script, JQuery, AJAX, XML, AngularJS, NodeJS |
| **Programming Languages** | Python, Java, C/C++, PERL, SQL and PL/SQL. |
| **Scripting languages** | CSS, AJAX, Java Script, JQuery, PHP, PowerShell Scripting |
| **Versioning Tools** | SVN, CVS, Git, GitHub, Bambo, BitBucket |
| **Analytic Tools** | JMP PRO, SAS, Tableau, UCI NET, NodeXL, MVC3 |
| **Application servers** | Apache Tomcat, Nginix, JBoss, WebLogic, WebSphere |
| **Databases** | Oracle (9i,10g, 11g), My SQL, Apache Cassandra, MongoDB |
| **IDE’s/ Development Tools** | NetBeans, Eclipse, PyCharm, PyScripter, PyStudio, and Sublime Text. |
| **Operating Systems** | Windows, Red hat Linux 4.x/5.x/6.x, MAC OSX. |
| **Protocols** | TCP/IP, HTTP/HTTPS, SOAP, SMTP |
| **Deployment Tools** | Heroku, Amazon EC2 |
| **Testing Tools** | Selenium, Bugzilla, Crucible and JIRA. |
| **Protocols** | TCP/IP, HTTP/HTTPS, SOAP, SMTP |

**Professional Experience:**

**T-mobile Seattle, WA Aug 2016 – Present**

**Sr. Python Developer**

**Responsibilities:**

* Associated with various phases of **Software Development Life Cycle** (SDLC) of the application like requirement gathering, Design, Analysis and Code development.
* Worked with team of developers on Python applications for RISK management.
* Generated Python Django Forms to record data of online users
* Used Python and **Django** creating graphics, **XML** processing, data exchange and business logic implementation.
* Experienced in ORM programming in converting data between incompatible type systems in OOP languages.
* Developed flask Restful API endpoints for accessing through UI and uploading **ETL** data.
* Contribute to major development initiatives with codebases utilizing Python, Django, R, MySQL, MongoDB, jQuery and React.
* Work with multiple team to develop services and coordinate releases.
* Used PHP as an **HTML** embedded scripting language, in front end web development.
* Prepare Test scripts for different applications using **QTP & Selenium**
* Run a Regression test on Selenium after every build.
* Automation of internal web application through Selenium 2 WebDriver.
* Performed Compatibility testing of applications for dynamic and static content of browsers using HTML Ids and XPath in Selenium.
* Developed ETL (Extract Transform Load) software for DB2 columnar database fact and dimension tables.
* Develop data models for applications, metadata tables, views or related database structures.
* Developed entire frontend and backend modules using Python on Django Web Framework with **GIT**.
* Involved in designing and deploying multitude applications utilizing almost all the AWS services Including **EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM** focusing on high-availability, fault tolerance, and auto-scaling in **AWS Cloud Formation**.
* Designed and managed API system deployment using fast http server and **Amazon AWS** architecture.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Wrote and executed various MYSQL database queries from Python using **Python-MySQL** connector and **MySQLdb** package.
* Used NoSQL database **Apache Cassandra** to load the data in database.
* Wrote Python scripts to parse XML documents and load the data in database.
* Utilized Python libraries **wxPython, numPY**, **Twisted** and **Mat PlotLib**.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Responsible for writing/modifying scripts using sh and Bash for day-to-day administration.
* Used IDE tool to develop the application and **JIRA** for bug and issue tracking and Used JIRA to assign, track, report and audit the issues.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the **XML** format.
* Developed and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript** and **JQuery**.
* Carried out various mathematical operations for calculation purpose using python libraries.
* 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 **Pandas** library for statistical Analysis
* Designed and developed the UI of the website using **HTML, XHTML, AJAX, CSS** and **JavaScript**.
* Performed research to explore and identify new technological platforms.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.
* Resolved ongoing problems and accurately documented progress of a project.

**Environment: Python, Django, MongoDB, Selenium, Amazon Aws, Pandas, Java, JQuery, Bootstrap, MySQL, Linux, Ajax, Java Script, Apache, Cassandra, HTML5 and CSS**

**Amerisource Bergen, Chester brook, PA Feb 2016 –July 2016**

**Sr. Python Developer**

**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 2.7, Django 1.5, JSF 2.1, Spring 3.2.5, Ajax, HTML, CSS** for the frontend.
* Developed Automation Scripts for Regression using Selenium Web Driver and Python.
* Generated Python Django Forms to record data of online financial users.
* Worked on Integration of **Selenium RC/WebDriver** with existing API to test Framework.
* Created Materialized Views, tables, complex **SQL** queries, and Correlated sub queries, Nested Queries, Views and Function Based Indexes for effective Business Application Development.
* Maintain Selenium scripts in between releases. Reproduce failed automated test cases manually
* Provide cross-browser (Chrome, Firefox, MSIE, Safari, Opera) and cross-platform (Windows 8) testing of the application's web pages.
* Build web scrappers using Python to extract counterparty ratings for credit risk monitoring.
* Automated data extraction, Transformation and Loading(ETL) process using python
* Used PandasAPI to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Designed an automated program for the entire reporting, qualification and payout process using R program, resulting in a significant improvement in work-time efficiency.
* Built linear and logistic regression models to predict risk and revenue factors including credit   
  risk, severity, attrition, over-limit fee, etc.
* 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.
* Experienced Python on **LINUX** for execution.
* Actively involved in developing the methods for **Create, Read, Update** and **Delete** (CRUD) in Active Record.
* Implemented database access using Django ORM.
* Designed and developed ETL processes that were used to integrate data between various sources using Informatica, PowerCenter 9.
* Designed and developed Oracle **PL/SQL** Procedures, Functions, and Database Triggers and involved in creating and updating Packages to meet business requirements.
* Used Python library **BeautifulSoup** for **webscrapping** to extract data for building graphs
* Played a key role in a development wide transition from Subversion to **Git**, which resulted in an increase in efficiency for the development community.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Created modules to transform incoming XML trade data into trade objects, parse trade data and create outbound **FPML** (Financial Products Markup Language) sent to DTCC repositories.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using **Django, OracleDB, PostgreSQL**, and **VMWare API** calls.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on **MySQL** and PostgreSQL database.
* Used many regular expressions in order to match the pattern with the existing one.
* Worked with team of developers on Python applications for RISK management.
* Responsible for inserting deleting and updating all financial data using MySQL.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Troubleshooting ETL issues in **SQL** Server Integration Services
* Involved in Unit testing and Integration testing.
* Created voice-controlled application for client using **Jasper**
* Used Robot Framework, RIDE and developed few test suites for testing application.
* Generated property list for every application dynamically using python.
* Creation of **SQL**Logins, Roles and Authentication Modes as a part of Security Policies for various categories of user.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript** and **JQuery.**
* Implemented the **validation, error handling**, and **caching**
* Used Test driven approach (TDD) for developing services required for the application.
* Worked in development of applications especially in **Linux** environment and familiar with all of its commands.
* Refactored existing project to make it more RESTful and thread-safe.
* Added unit tests and improved existing ones.
* Designed **RESTful** XML web service for handling **AJAX** requests .
* Created project designs utilizing MVC architecture components.
* Used JIRA for bug tracking and issue tracking.
* Responsible for debugging and troubleshooting the web application.

**Environment: Python, Django, Selenium, HTML5, CSS, VMware, Oracle DB, Pandas, Spring, MS SQL Server 2013, Jasper, Reports, JavaScript, Ajax, Eclipse, Linux, Shell Scripting, RESTful, MVC3.**

**Express Scripts Inc, Franklin Lakes, NJ June 2013 – Nov 2015**

**Python Developer**

**Responsibilities:**

* Converted Visual Basic Application to Python, MSQL.
* Used python scripts to update content in the database and manipulate files.
* Created Reports using **JASPER**.
* Used Thales asynchronous theorem for applying encryption and decryption of ISO standard message in Python programming.
* Developed a fully automated continuous integration system using **Git, Gerrit, Jenkins, MySQL** and custom tools developed in Python and Bash.
* Implemented schema and data migration for the **postgres** database using South migration tool.
* Designed and developed the UI of the website using **HTML, AJAX, CSS, JQuery** and **JavaScript**.
* Developed user-friendly modals for the form submissions using **simplemodal.js, JQuery, Ajax** and **JavaScript**.
* Experience in building the war with help the putty and deployed into cloud environment using the cloud controller and experience in solving the cloud issue.
* Designed and maintained **PowerShell** based troubleshooting procedures for bulk changes
* Developed **PowerShell** scripts to configure the upgraded Exchange environment, migrate users, then monitor and maintain the new environment
* Used Python modules such as requests, **urllib, urllib2** for web crawling.
* Worked on writing and as well as read data from csv and excel file formats.
* Performed QA testing on the application.
* Developed approaches for improving **NLP** pipeline.
* Create custom **VB scripts** in repackaging applications as needed.
* Wrote scripts in Python for extracting data from HTML file.
* Designed the frontend web pages using **HTML**, **JavaScript, Angular JS, JQuery** and **AJAX**. Used **CSS**

for better appearance. Writing templates for front end pages where we include HTML pages and

JavaScript files knowledge of cross-browser and cross-platform development of HTML and CSS

based websites in Windows like IE 6, IE 7, IE 8 and FF.

* Interactive in providing change requests, trouble reports and requirements collection with the client.
* Worked in development of applications especially in **UNIX** environment and familiar with all of its commands.
* Experience in debugging and troubleshooting programming related issues.
* Improved performance by using more modularized approach and using more in built methods.
* Improved caching system for the test webserver.
* Collaborated with internal teams to convert end user feedback into meaningful and improved solutions.

**Environment: Python, Django, VB scripts, Jenkins, Jasper, Gerrit, MySQL, Unix, HTML, CSS, JQuery, JavaScript, Apache, Ajax, simplemodal.js, Git, PowerShell.**

**Apex CoVantage, India Sept 2012 – May 2013**

**Python Developer**

**Responsibilities:**

* Assisted in reduction of cost and optimization of supplier selection for the **CRM** Applications.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries.
* Implemented Servlets to handle **HTTP** requests for on-line requests, credit card payments, registration and bug tracking.
* Used **Bootstrap** for responsive design.
* Worked on development of **SQL** and **Stored Procedures** on **MYSQL**
* Embedded **AJAX in UI** to update small portions of the web page avoiding the need to reload the entire page
* Extensively worked on Python scripting and development. **CSS** is used to style Web pages, **XHTML** markup.
* Build SQL queries for performing various CRUD operations.
* Worked on Apache database
* Improved code reuse and performance by making effective use of various design patterns.
* Worked with **UNIX** like OS on regular basis.
* Engineered stable, isolated environments per game team
* Used **HTML, CSS, JQuery, JSON** and **JavaScript** for front end applications.
* Optimized the database queries to improve the performance.
* Developed in Windows and going to deploy it in Unix server.
* Implemented Python components and deployed under the Web Logic server.
* Developed various **EJB** components to fulfill the business functionality
* Using Subversion version control tool to coordinate team-development.
* Performed data manipulation/storage for incoming test data using **lxml/etree libraries**.

**Environment: Python 2.7, Json, Javascript, JQuery, Bootstrap, MySQL, Unix, Eclipse, Shell Scripting, HTML5, CSS, Apache, Cassandra**

**Escope Technologies, India. July 2010- August 2012**

**Python Developer**

**Responsibilities:**

* Designed and developed the UI of the website using **HTML, XHTML, AJAX, CSS and JavaScript**
* Made Django web based apps for Insurance premium calculations.
* Used data types like **dictionaries, tuples** and **object oriented** concepts based inheritance features for making complex algorithms of networks.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Used **Pandas** library for statistical Analysis
* Collaborate with Product Management and User Experience experts regarding product definition, schedule, scope and project-related decisions.
* Build **SQL**, **NOSQL** queries implementing functions, packages, views, triggers, and tables.
* Handling the day to day issues and fine tuning the applications for enhanced performance.
* Responsible for debugging and troubleshooting the web application.
* Used **Oracle** database in developing the project and used **SQL** statements and procedures to fetch the data from the database
* Used **CVS** as version controlling tool.
* Used **Eclipse** as **IDE** for developing the application
* Creating **unit test/regression test** framework for working/new code.
* Experience with advanced CSS concepts and also building table-free layouts.
* Used update strategy, lookups, stored procedures and filter.
* Studying the existing environment and accumulating the requirements by interacting with the clients on various aspects.

**Environment: Python 2.6, Django 1.2, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, Eclipse, Oracle, NO SQL.**