**PROFESSIONAL SUMMARY:**

* **6+ years of IT experience** in **Analysis**, **Design**, **Development**, **Implementation** and **Testing** of various stand-alone and client-server architecture based enterprise application software in **Python** on various domains.
* Having good experience in **SDLC** methodologies like **Agile** and **Scrum Methodologies** and **Python** based environment.
* Handy experience in developing **Web-Applications** implementing **Model View Template architecture** using **Django**, **Flask** and **Spring** web application **frameworks.**
* Highly experienced in understanding of all the phases I.e.Planning and Requirement Analysis, Defining Requirements, Designing, Developing, Testing, Deployment of **Software Development Life Cycle**(**SDLC**).
* Good experience in **Shell Scripting**, **SQL Server**, **UNIX** and **Linux**, **Open stack**.
* Good experience in **Object Oriented Analysis** in developing **Front-End** and **Back-Endframework** using various design patterns.
* Experienced in developing web-based applications using **Python, Django, Flask,RegEx,PHP, C++, XML, CSS, HTML, JSON, DHTML, JavaScript, JQuery, MVC3, Bootstrap, RESTful, RUBY and AJAX, Angular Js.**
* Experienced in building data models using **machine learning** techniques for Classification, Regression, Clustering and Associative mining.
* Very good experience with cloud platforms like **Amazon AWS.**
* Experience in writing Queries **Data Manipulation Language** (**DML**) and working with **MySQL**, **MariaDB** database and **NoSQL** databases like **MongoDB**, **Cassandra**
* Experience in working with **Python ORM (Object Relational Mapping)**code Library including **Django,SqlAlchemy**ORM to switch an application between various relational databases, for web Scraping.
* Expertise in writing SQL and PL/ SQL Queries.
* Strong experience in testing operational data stores/data warehouse/data marts.
* Proficient in **Machine Learning**, **Data/Text Mining**, Statistical Analysis & Predictive Modeling.
* Experienced in developing **Web Services** with **Python programming language**.
* Good knowledge of **Web Services** with protocols **SOAP**, **REST**.
* Strong understanding of server side Templating Languages such as **Jinja2**, **Mako** etc.
* Involved in **Unit testing**, **Integration testing**, **User-Acceptance testing**, and **Functional testing**.
* Having good knowledge on Bug Tracking Tools like **JIRA**,**BUGZILLA** and in Project management.
* Good knowledge on **R** language.
* Experience in implementation of Test Driven Development (**TDD**) approach, Pair Programming with **PYUNIT**, **Junit** and **PythonUnit**-**test**.
* Expertise in working with serverside technologies including **databases**, **RestfulAPI** and **MVC** design patterns.
* Experience working on several **Docker** components like **Docker** Engine, Hub, Machine, Compose and Docker Registry.
* Well versed with **Design** and **Development** of presentation layer for web applications using technologies like **HTML**, **CSS**, and **JavaScript**.
* Proficient in SQL databases **MS SQL,MySQL,Oracle** and no-SQL databases **MongoDB** and **Cassandra.**
* Having Strong experience of software development in **Python** andlibraries used are**Beautiful Soup, numpy, scipy,python-twitter, Pandas data frame, network, urllib2, MySQL DB for database connectivity**, **IDEs**used are**sublime text, Spyder, Pycharm, emacs**.
* Having good working experience with frameworks like Angular JS, Node JS, JavaScript, JQuery, Flask/Django.
* Worked on **Docker** container snapshots, attaching to a running container, removing images, managing director structures and managing container.
* Expertise in real-time embedded firmware to communicate with remote wireless-based systems, including email, data acquisition and credit card information processing programs.
* Good **Analytical** and **Problem-Solving** skills and ability to work on own besides being a valuable and contributing team player.
* working experience in working with Servers like Apache server, NGINX.
* Provided Support to networking services and protocols such as TCP/IP, NIS, DNS, NFS, LDAP, FTP, SSH, SMTP, SNMP, SSL, and HTTP.
* Practical experience with working on **Multiple-Environments** like **Development**, **Testing**, **Production**.
* 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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| **Languages** | Python, C++, Shell Script, Perl, SQL, PHP |
| **Python Framework** | Flask, Django |
| **Databases** | MS SQL, MySQL, Oracle |
| **Web Technologies** | XML, CSS, HTML, DHTML, JavaScript, JQuery, MVC3, Bootstrap, RESTful, RUBY, AJAX |
| **Web Services** | SOAP, REST |
| **Protocols** | TCP/IP, Socket Programming |
| **Servers** | Apache server, NGINX |
| **Search Pattern** | RegEx |
| **Methodologies** | Agile, Scrum |
| **No-SQL Databases** | MongoDB, Cassandra |
| **Operating Systems** | Window, UNIX, Linux |

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| **Client: Panera Bread**  **Location: St.Louis, MO**  **Role: Python Developer**  **Date: Aug 2017 – till now** |

**Responsibilities:**

* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using **html, CSS**, **Javascript** and **JQuery.**
* Implemented **AJAX** for dynamic functionality of a web pages for front end applications.
* Used Ajax and **JQuery** for transmitting **JSON** data objects between frontend and controllers.
* Worked on front end frameworks like **CSS Bootstrap** for responsive web pages.
* Implemented presentation layer using **CSS** framework, Wire-Framing and **HTML5**.
* Worked on server side applications with **Django** using Python programming.
* Worked on various applications using python integrated IDEs Eclipse, **PyCharm**, **Sublime**, Pystudio.
* Automated the existing scripts for performance calculations using machine library like **Numpy** and **SQL Alchemy** for Insurance premium.
* Associated with working cloud computing platforms like **Open stack**.
* Used **Pandas** library for statistical Analysis.
* Developed views and templates with **Python** and **Django's** view controller and templating language to create user-friendly website interface.
* Utilized standard **Python** modules such as**CSV**, **itertools** and pickle for development.
* Developed Wrapper in Python for instantiating multi-threaded application.
* Developed various algorithms for generating several data patterns.
* Used Python IDE's such as **PyCharm**, **sublime** text for developing the code and performing unit test and SIT.
* Maintaining **SQL** server database and updating **PHP** script.
* Validated the data of reports by writing SQL queries in **PL/SQL** Developer against ODS.
* Added several options to the application to choose particular algorithm for data and address generation.
* Good Understanding of the Database Schema, Data Dictionary, Data Models for Testing the data in a ETL process
* Migrated SQL reports in SSRS to **Teradata**.
* Created report queries utilizing **Teradata** SQL
* Created data access using SQL and **PL/SQL** stored procedures.
* High proficiency in developing Oracle **PLSQL.**
* Experience with containerizing applications using **Docker** and Vagrant.
* Good experience in Shell Scripting, SQL Server, UNIX and Linux, **Open stack**.
* Used **Pandas** for a data alignment and data manipulation.
* Worked on different data formats such as JSON, XML and performed **machine learning** algorithms in Python.
* Successfully optimized codes in Python to solve a variety of purposes in data mining and **machine learning** in Python.
* Wrote scripts in Python for deploying on production server using **DOCKER**.
* Participated in the complete **SDLC** process.
* Written many programs to parse **excel** file and process many user data with data validations.
* Developed monitoring and notification tools using **Python.**
* Utilize **PyUnit**, the **Python** unit test framework, for all **Python** applications.
* Worked on UI using **HTML5,CSS3** and **Java Scripts.**
* Worked with product development team in building necessary infrastructure to support development, test and production of the product.
* Worked on AWS **Cloud** Formation and Terraform API to create infrastructure on AWS as a code.
* Created Python script to monitor server load performance in production environment and horizontally scale the servers by deploying new instances.
* Wrote **Python** routines to log into the websites and fetch data for selected options.
* Developed entire frontend and backend modules using **Python** on **Django Web Framework**.
* Used **Jenkins** for continuous integration services.
* Used **Pandas** library for statistical Analysis.
* Configured **Docker** container for branching purposes.
* Used the **Django** Framework to develop the application.
* Build all database mapping classes using **Django** models.
* Used **JIRA** for bug tracking and issue tracking and Used Agile Methodology and **SCRUM** Process.

**Environment: Python, PyUnit, Pandas, HTML, DHTML, AJAX, CSS, JavaScript, Django, Jenkins, Amazon Web Services (AWS), JSON, REST, Angular.js, Bootstrap, Node.js, Git, JIRA, SQL, Agile, Windows and Linux.**

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| **Client: Northwesternmutual**  **Location: Franklin, WI**  **Role: Python Developer**  **Date: Oct 2015 to July 2017** |

**Responsibilities**:

* Worked on live application Caesar which is same as Jira for ticket generate and track all the records of the assigned work based on this application so that user can make new request and update request for particular task.
* Designed the application using **Python**, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application.
* Created auxiliary ordering tool in MS Access, streamlining usage for planners and optimizing inventory and ordering processes.
* This project also used other technologies like **JQuery** for JavaScript manipulations, bootstrap for the front-end HTML layout.
* Developed views and templates with Python and **Django's** view controller and templating language to create a user-friendly website interface.
* Worked in optimizing the python code made the code scalable as well as Involved in development of RESTFUL Web Services using Spring MVC to extract client related data from databases.
* Used Python library **BeautifulSoup** for **webscrapping** to extract data for building graphs as well as built various graphs for business decision making using Python matplotlib library.
* Worked on AWS using EC2 instances, setting security groups (ports, source) handling events between pythonscripts and linux server.
* Created shell and python scripts for data push from Informatica/Teradata to S3.
* Designed and documentation of **RESTful APIs** for collection and retrieval of high volume IOT telemetry data.
* Refactored and extended large existing Django/Python code base by maintaining PEP-8 code standards and fix the bugs.
* Launched harasser across several threads along with memory stress test using the python wrapper.
* Optimized database queries for **PostgreSQL**.
* Switched to **AWS** EC2 from Heroku.
* Created backend database T-SQL stored procedures and Jasper Reports.
* Developed and maintained a deployment script using fabric.
* Created specific images using Python Imaging Library for the custom images used for each book as well as wrote scripts in **Python** for extracting data from HTML file.
* Created Restful API's to integrate and enhance functionalities of the application. Also Utilized Restful API in communicating with third parties.
* Was responsible in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Worked on several python packages like **Numpy**, shutil, Beautiful Soup, Pickle, Python-gitlab.
* Managed, developed and designed a dashboard control panel for customers and Administrators using **Django**, Oracle DB and used gitlab distributed version control tool to coordinate team development.
* Worked in Designing and documentation of RESTful APIs for collection and retrieval of high volume IOT telemetry data.
* Conducted the debug team meetings and providing directions to the team for the next level debugging of the different failure signatures to environment/silicon/BIOS issues.
* Debugged the failure issues by capturing the array and register dumps using Python scripts, traces and performing several experiments by interacting with the design team.
* Developed Perl Scripts for bucketing the failures.
* Worked on high level designing, details designing and development of GUI using Python, MySQL, HTML, AJAX, CSS, JavaScript and jQuery.
* Maintained program libraries, users manuals and technical documentationn as well as managed large datasets using **Panda** data frames and MySQL.
* Also used **Pandas API** to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Provided system up-gradation support for Python-based interfacing application by rewriting object oriented code in Python.
* Utilized standard Python modules such as **csv**,**itertools**and pickle for development.
* Worked on Python OpenStack APIs and used Numpy for Numerical analysis.
* Used Ajax and JQuery for transmitting JSON data objects between frontend and controllers.
* Developed Wrapper in Python for instantiating multi-threaded application.
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries frompython using **Python-MySQL** connector MySQLdb package to retrieve information.
* Developed various algorithms for generating several data patterns.
* Used JIRA for bug tracking and issue tracking.
* Wrote code in R programming to perform data visualization on large set of data. Used R programming to publish Graphs and charts.
* Wrote functional and technical specifications for HBase, Hive and other components as well as wrote more than 60 stored procedures in Sybse IQ.
* Used Python Library Beautiful Soup for webscrapping.ss.
* Created numerous shell scripts for batch jobs and continuous deployment.
* Exported the result set from HIVE to MySQL using Kettle (Pentaho data-integration tool).
* Used Zookeeper for various types of centralized configurations.
* Involved in Automated data extraction, Transformation and Loading(ETL) process using python.
* Skilled in using Collections in Python for manipulating and looping through objects.
* Worked on AJAX in UI for avoiding the reloading of the entire web page to update small portions.
* Developed the business logic using Spring and Hibernate different statistics and information in Dispatch Summary screen that will help them make better decisions for mangers.
* Lead the team regarding the failure signature, debugging using Python.

**Environment: Python, PyUnit, Pandas, HTML, DHTML, AJAX, CSS, JavaScript, Django, Jenkins, Amazon Web Services (AWS), JSON, REST, Angular.js, Bootstrap, Node.js, Git, JIRA, SQL, Agile, Windows and Linux.**

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| **Client: Social interest solutions**  **Location: Sacramento, CA**  **Role: Python Developer**  **Date: Jan 2014 to Sep 2015** |

**Responsibilities:**

* Involved in understanding and analyzing the clients business, requirements for the system.
* Developed dynamic web pages using **Python**, **Django** Frameworks.
* Developed monitoring and notification tools using **Python**.
* Used **PyCharm** for programming using Python.
* Created UI using JavaScript and **HTML5/CSS3**.
* Improved the application by designing and developing it using **HTML** and **JavaScript**.
* Involved in the development of front end of the application using **Python 2.7**, **HTML5**, **CSS3**, **AJAX**, **JSON** and **JQuery**. Worked on backend of the application, mainly using Active Records.
* Developed and tested many features for dashboard using **Python**, **Bootstrap**, **CSS**, **JavaScript** and **JQuery**.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud, **Open stack**.
* Rewrite existing **Java**, **C++** application in **Python**.
* Developed various helper classes using Java multi-threaded programming and Collection classes.
* Worked on Python **Open stack** API's.
* Used several python libraries like**NUMPY** and**MatPlotLib.**
* Used **Pandas** API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Worked with **SQL** queries for data manipulations, Data extraction and Data Mapping.
* Performed parallel runs to validate the Teradata results to match the SQL results exactly.
* Used data structures like **directories**, **tuples**, **object oriented(OO)**class based inheritance features for making complex algorithms of networks.
* Installing and configuring of security networks like certificates using **SSL**.
* Configuring the **SNMP** Trap for the NWS, Channels, ISSI gateways, Opensky Sites.
* Involved in building database Model, **APIs** and Views utilizing python, in order to build an interactive web based solution.
* Created **bean\_docker** gem for easy creation of additional **docker** containers on Elastic Beanstalk instances for testing and diagnostics.
* Generated Python **Django** Forms to record data of online users.
* Developed **MVC** prototype replacement of current product with **Django**.
* Significantly improved report generation efficiency by caching, reusing and improve the security level of Data.
* Created **PHP/MySQL** back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings.
* Managed datasets using **Panda** data frames and **MySQL**, queried MYSQL database queries from python using **Python-MySQL**connectorandMySQL DB package to retrieve information.
* A highly immersive Data Science program involving Data Manipulation&Visualization, Web Scraping, **Machine Learning**, Python programming, SQL, GIT, MongoDB, Hadoop.
* Designed and created backend data access modules using **PL/SQL** stored procedures and Oracle.
* Developed an end to end interface file in **PLSQL.**
* Setup, configure and maintain **Cassandra** based systems
* Tested the SPOOL SPACE error in basic **Teradata** Queries
* Created Data tables utilizing **PyQt** to display patient and policy information and add, delete, update patient records.
* Ability to write Unix scripts to copy, move the files for validation of the file
* Wrote a Unix script to sftp the file from a server to **Teradata** database
* Responsibilities for creation of Database, Business Logic to display the records dynamically on template based on query, providing user permission to access particular features of the site.
* Generated Python Django forms to record data of online users and used **PyTest** for writing test cases.
* Generated graphical reports using python package **Numpy** and **matPlotLib**
* Used Test driven approach for developing the application and Implemented the unit tests using **Python** Unit Test framework.
* Strong knowledge in **MongoDB** concepts - CRUD operations and aggregation framework
* Deployed the project into Heroku using **GIT** version control system.
* Resolved ongoing problems and accurately documented progress of a project.
* Designed and configured database and back end applications and programs.
* Update, maintain and change the current web applications as per the project requirement.
* Involved in capturing the requirements for serial functional interface and other software requirements specification document.
* Skilled in using collections in **Python** for manipulating and looping through different user defined objects.

**Environment: Python 2.7, Django 1.6, Tableau 8.2, Beautifulsoup, HTML5, CSS/CSS3, Bootstrap, XML, JSON, JavaScript, JQuery, Restful Web services, Apache Tomcat, Linux, Git, Jenkins, MySQL, T-SQL, Eclipse.**

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| **Client: Key bank**  **Location: Cleveland, OH**  **Role: Python developer**  **Date: Mar 2012 to Dec 2013** |

**Responsibilities:**

* Interacted with management and developers in a daily scrum to discuss test cases and schedules.
* Used **Bootstrap** and **Angular UI** Bootstrap for creating rich, Responsive UI Screens for varying screen sizes and devices.
* Developed multi-threaded standalone app in **Python**, **Perl**, **PHP, C++** to view Circuit parameters and performance.
* Used R language to encrypt the data and done data analysis.
* Extracted data charts using data analytics software Spotfire
* Web application development using **Python 3.5, Django 1.9, Flask, MongoDB**, **JavaScript, AJAX, HTML, XML** and template languages.
* Developed and tested many features in an **AGILE** environment using **Ruby on Rails**, **HTML5, CSS, JavaScript,** and **Bootstrap**.
* Experience in moving files to Linux server using Rsync.
* Responsible for writing code in Object Oriented Programming supported by Ruby on Rails in Agile **SCRUM** environment.
* Written with object-oriented **Python, Flask, SQL, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Linux, Sublime Text, git.**
* Used **PostgreSQL** as a database to the connectivity.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript** and **JQuery.**
* Worked on **UI** using **HTML5, RectJs, CSS3** and **Java Scripts, AngularJS**.
* Created User Controls and simple animations using **Java Script** and **Python.**
* **ReactJS** was used to develop interactive user interface.
* Built various graphs for business decision making, using Python **matplotlib** library.
* Developed and tested many features for dashboard using **Ruby on Rails, Bootstrap, CSS JavaScript, and Rspec.**
* Designed and implemented Model-View-View Model pattern for many components in the project (Contracts, Products, Search Sales, Employees, BackOffice Admin)
* Worked on the **OAM** protocol **LAMP** and **LMP**.
* Developed Python batch processors to consume and produce various feeds.
* Developed entire frontend and backend modules using **Python** on **Django Web Framework.**
* Developed Business Logic using **Python** on **Django Web Framework**.
* Identified Test requirements from specifications, map test case requirements and design test coverage plan.
* Implemented monitoring and established best practices around using elastic search
* Created and built out QA Automated Test frameworks.
* Developed Merge jobs in **Python** to extract and load data into **MySQL** and **Mango Db** database.
* Successfully migrated Django database from **SQLite** to **PostgreSQL** with complete data integrity.
* Created **PHP/MySQL** back-end for data entry from Flash.
* Used **JQuery** for selecting particular DOM elements when parsing **HTML**.
* Used **GitHub** for version control.