**SUCHENDRA**

[suchendra.k09@gmail.com](mailto:suchendra.k09@gmail.com)

(732)-325-1144

|  |
| --- |
| **PROFESSIONAL SUMMERY:** |

* **7 years** of experience IT Industry with proficiency in **Design & Development of Python, Java/J2EE, Django, flask project**.
* Experience in working with number of public and private cloud platforms like **Amazon Web Services (AWS), Microsoft Azure, Rackspace Cloud and Openstack**.
* Experience in **Infrastructure as service (IaaS), Platform as service (PaaS), Software as a service (SaaS)** & end user computing.
* Well versed with design and development of presentation layer for web applications using technologies like **HTML, CSS, and JavaScript, Bootstrap**.
* Good experience in developing web applications implementing Model View Control architecture using **Django, Flask, Pyramid and Zope** **Python** **web application frameworks**.
* Experienced in **HTML/HTML5, DHTML, CSS/CSS3, JavaScript, JQuery, Angular.JS, AJAX, XML and JSON**.
* Experienced **in** working with **various Python Integrated Development Environments** like **Net Beans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text.**
* Strong expertise in development of web based applications **using Python, Django, Flask, Dojo, HTML, XML, Angular.JS, CSS, DHTML, JavaScript, JSON and Jquery**.
* Worked on several **python**packages like **Numpy, matPlotLib, Beautiful Soup, Pickle, PySide, Scipy, wxPython, PyTables** etc.
* Experienced in working on Application Servers like **WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX** and Integrated Development Environments like **PyCharm, Eclipse, MyEclipse, JDeveloper and RAD**.
* Experienced in WAMP **(Windows, Apache, MYSQL, and Python/PHP)** and **LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture**.
* 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**.
* Sound experience in working with **python editors** like **PyCharm, PyScripter, PyStudio, PyDev, Wing IDE and Spyder**.
* Experience in developing **web services (WSDL, SOAP and REST)** and consuming web services with **python** programming language.
* Experienced in working with server side technologies including **databases, restful API and MVC design patterns**.
* Good experience in**Python, Django, Shell Scripting, SQL Server, Unix and Linux and Open stack**.
* Experience with **Requests, Pysftp, Gnupg, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup and Pandas python**libraries during **development lifecycle**.
* Knowledge about setting up **Python REST API Frame** work using **Django**.
* Having good knowledge in using **NoSQL databases** like **Apache Cassandra (1.2, 2.0 and 2.1) and MongoDB (2.6, 2.4), Orient DB**.
* Expertise in working with server side technologies including **databases, Restful API and MVC design patterns**.
* Having good exposure over working with deployment of**Python** and **Java projects** using **cloud architecture**.
* Experienced in web applications development using **Django/Python, Flask/Python, and Node.js, Angular.js, DOJO, Jquery** while using **HTML/CSS/JS** for server-side rendered applications.
* Experience in using various version control systems like **CVS, Git, GitHub and Amazon EC2** and deployment using **Heroku**.
* Worked in **Cloud** based **NMS application** which monitors the **CPU/Memory parameters** of **Virtual machines**.
* Experience in project deployment using **Heroku/Jenkins** and using **web services** like **Amazon Web Services (AWS) EC2 and AWS S3**.
* Proficient in writing **SQL Queries, Stored procedures, functions, packages, tables, views, triggers** using relational databases like **Oracle, DB2 and MySQL**.
* Extensive experience with **Amazon Web Services (AWS), Openstack, Docker Puppet, Chef, Ansible, AWS CloudFormation, AWS CloudFront**.
* Experience in handling database issues and connections with **SQL and NoSQL databases** like **MongoDB (2.6, 2.4)** by installing and configuring various packages in **python (Teradata, MySQL dB, Pyodbc, MySQL connector, Pymongo and SQLAlchemy)**.
* Good knowledge in working with **Web/application server** - **Apache Tomcat (6.0, 7.0, 8.0), Tornado, Cherrypy, Chaussette, Rocket**.
* Experience with **Requests, Pysftp, Gnupg, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup and Pandas python** libraries during development lifecycle.
* Excellent experience with **Python** development under **Linux OS (Debian, Ubuntu, SUSE Linux, RedHat Linux, Fedora)**.
* Experience in working with **Python ORM Libraries** including **Django ORM**.
* Have good knowledge on Project management tools **JIRA, Redmine and Bugzilla**.
* Hands on experience in working with various **Version Control Systems,** mostly **GIT, CVS and SVN**.
* Experience in working with multiple Servers like **Apache Tomcat, IBM Web Sphere, Web Logic and Jboss**.
* 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 using various version control systems like **CVS, Git, GitHub and Amazon EC2** and deployment using **Heroku**.
* Experience in **Test Driven Development** and **Behavior Driven Development methodologies** for consulting firms and enterprise projects.
* Experience in writing **Sub Queries, Stored Procedures, Triggers, Cursors, and Functions** on **MySQL and PostgreSQL database**.
* Expertise in working with **GUI frameworks-PyJamas, Jytho, guidata, PyGUI, PyQt PyWebkitGtk**.
* Experienced with **Elasticsearch, Logstash and Kibana (ELK)**.
* Having good knowledge in using **NoSQL databases,** various version control systems like **Git (GitHub), SVN, CVS**.
* Sound knowledge in **Spring, Hibernate, RDBMS, Web, XML, Ant/Maven, HTML, Python, Shell Scripting**.
* Experience in writing reusable and in test driven development using **Unit Testing** and **Selenium**.
* Experienced in developing **API services** in **Python/Tornado, Node.JS** while leveraging **AMQP and RabbitMQ** for distributed architectures.
* Experienced in working on **Celery Task queue** and service broker using **RabbitMQ**.

|  |
| --- |
| **EDUCATION** |

Master’s in Computer Science Engineering with 3.7 GPA

B-Tech in Computer Science with 3.4 GPA

|  |
| --- |
| **SK**I**LLS** |

**Operating Systems :** Windows, MAC OS, Unix/Linux

**Languages :** Python, C++,Java, J2EE

**Python Libraries :** Numpy, Matplotlib, NLTK, Statsmodels, Scikit-learn/sklearn, SOAP, Scipy

**Python Frameworks :** Pandas, Flask, Django, Docker

**Python IDE :** Sublime Text 3, Eclipse, Jupyter Notebook, VIM, Pycharm

**NLP used for Python :** NLTK, OpenNLP, StanfordNLP (NER, POSTag, Tokenization)

**Databases :** RDBMS (Oracle, SQL Server, MySQL), No SQL (MongoDb), HDFS (Hadoop)

**Web Technologies :** CSS, JavaScript, XML, AJAX, JQuery, Bootstrap, AWS, RESTFul Web Services

**Other Tools :** Putty, SQL developer, Toad, JIRA, Matlab, R

|  |
| --- |
| **PROFESSTIONAL EXPERIENCE:** |

|  |
| --- |
| **Deutsche Bank , NYC April 2017 to Till Date**  **Role: Python Developer** |

**Description: Deutsche Bank is a Germany based multinational bank involved in commercial and investment banking operations across the globe. I was part of rates team in investment banking division who are responsible for valuations and trading various Fixed income and FX derivatives.**

**Responsibilities:**

* Create, activate and program in **Anaconda environment**.

Worked on predictive analytics use-cases using **R language** and **Python**

* Use **Python** unit and functional testing modules such as unit test, unit test2, mock, and custom frameworks in-line with **Agile Software Development methodologies**.
* Added licensing feature for 3 products **CVU’S, CCLEAR, CSTOR** from scratch by going through most modules of code runs at backend and created **html pages** to view the **EULA (End User License Agreement)**.
* Developed micro services **API'S** for an individual module and exposed the results in **JSON** format using **Bottle framework**.
* Involved in development of **testing frameworks**, used **selenium web driver** for Automation.
* Worked with **Docker Container**, have setup an environment and used accordingly.
* Wrote **Python code embedded** with **JSON and XML** to produce **HTTP GET and POST** requests for parsing **HTML data** from **website**.
* Used **JIRA** for issue tracking and **bug tracking** for each individual sprint, and used confluence to create design documents.
* Installed **Hadoop, Map Reduce, HDFS, AWS** and developed multiple **MapReduce** jobs in **PIG and Hive** for data cleaning and pre-processing.
* Manage datasets using **Panda data frames** and **MySQL, queried MYSQL database queries** from **python** using **Python-MySQL** connector and **MySQL dB** package to retrieve information.
* Involved in the **Web/Application development** using **Python 3.5, HTML5, CSS3, AJAX, JSON and Jquery**.
* Develop and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript and Jquery**.
* Generate **Python Django** forms to record data of online users and used **PyTest** for writing test cases.
* Implemented and modified various **SQL queries** and Functions, Cursors and Triggers as per the client requirements.
* Clean data and processed third party spending data into maneuverable deliverables within specific format with **Excel macros** and **python** libraries such as **NumPy, SQLAlchemy and matplotlib**.
* Used **Pandas** as **API** to put the data as time series and tabular format for manipulation and retrieval of data.
* Helped with the migration from the old server to **Jira database (Matching Fields)** with **Python scripts** for transferring and verifying the information.
* Analyze Format data using **Machine Learning algorithm** by **Python Scikit-Learn**.
* Experience in **python, Jupyter, Scientific computing stack (numpy, scipy, pandasand matplotlib)**.
* Perform troubleshooting, fixed and deployed many **Python bug fixes** of the two main applications that were a main source of data for both customers and internal customer service team.
* Write **Python scripts** to parse **JSON** documents and load the data in database.
* Generating various capacity planning reports (graphical) using **Python** packages like **Numpy, matplotlib**.
* Analyzing various logs that are been generating and predicting/forecasting next occurrence of event with various **Python** libraries.
* Developed single page application by using **Angular JS backed** by **MongoDB and NodeJS**.
* Design and maintain databases using **Python** and developed **Python** based **API (RESTful Web Service)** using **Flask, SQL Alchemy and PostgreSQL**.
* Manage code versioning with **GitHub, Bit Bucket** and deployment to staging and production servers and implement **MVC architecture** in developing the web application with the help of **Django framework**.
* Use Celery as task queue and **RabbitMQ, Redis** as messaging broker to execute **asynchronous tasks**.
* Design and manage **API system** deployment using fast **http server** and **Amazon** **AWS architecture**.
* Develop remote integration with third party platforms by using **RESTful web services** and Successful implementation of **Apache Spark** and **Spark Streaming applications** for large scale data.
* Built various graphs for business decision making using **Python** **mat plotlib library**.
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the **XML format**.
* Export **Test case Scripts** and modified the **selenium scripts** and executed in **Selenium environment**.
* Developed entire frontend and backend modules using **Python** on **Django Web Framework**.
* Scraping website using **Python Beautiful Soup,** and then parsed it with **XML**.
* Outputting the parsed data as **JSON/BSON** and stored into **MongoDB.**
* Used **NLTK and StanfordNLP** to process text data and created offline intelligence.
* Querying data from **MongoDB** and use them as input for the machine learning models.
* Using **AWS** for application deployment and configuration.
* Wrote **UNIX shell scripting** for automation.
* Developed views and templates with **Django** view controller and template Language to create a user-friendly website interface.
* Used **JavaScript** and **JSON** to update a portion of a webpage.
* Develop consumer based features using **Django, HTML** and **Test Driven Development (TDD)**.
* Increase the speed of pre-existing search indexes through **Django ORM optimizations**.
* Develop module to build **Django ORM** queries that can pre-load data to greatly reduce the number of databases queries needed to retrieve the same amount of data.

**Environment:** Python, Django, HTML5/CSS, PostgreSQL, MS SQL Server 2013, MySQL, JavaScript, Jupyter Notebook, VIM, Pycharm, Shell Scripting, Angular.JS, JIRA.

|  |
| --- |
| **Anthem – Mason, OH**  **Apr 2016 to Mar 2017**  **Role: Python Developer** |

Anthem, Inc. is an American health insurance company founded in the 1940s, prior to 2014 known as WellPoint, Inc. It is the largest for-profit managed health care company in the Blue Cross and Blue Shield Association. It was formed when Anthem Insurance Company acquired WellPoint Health Networks, Inc., with the combined company adopting the name WellPoint, Inc.

**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**.
* Created **Use-Case diagrams** and **State diagrams** using **MS Visio**.
* Created entire application using **Python, Django, MySQL,and Linux**.
* 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.
* Designed and managed **API system deployment** using fast **HTTP server** and **Amazon AWS architecture.**
* Developed entire frontend and backend modules using **Python** on **Django Web Framework**.
* Used **Python** and **Django** creating **graphics, XML processing, data exchange** and business logic implementation.
* Utilized **PyUnit**, the **Python** unit test **framework**, for all **Python** applications.
* Designed and maintained databases using **Python** and developed **Python-based API (RESTful Web Service)** using **Flask, SQL Alchemy, and Postgre SQL**.
* Using **Amazon EC2 command** line interface along with **Bash/Python** to automate repetitive work.
* Developed **GUI** using **webapp2** for dynamically displaying the test block documentation and other features of **python code** using a **web browser**.
* Designed and developed components using **Python** with **Django framework**.
* Implemented code in **python** to retrieve and manipulate data.
* Involved in writing **SQL queries** **implementing functions, triggers, cursors, object types, sequences, indexes** etc.
* Involved in development of the enterprise social network application using **Python, Twisted, and Cassandra**.
* Responsible for setting up **Python REST API framework** and **spring framework** using **Django**.
* Wrote **Python OO Design code** for manufacturing quality, monitoring, logging, and debugging code optimization.
* Involved in Installation and setting up **Python /Linux test beds**.
* Worked with **JSON** based **REST Web services**.
* Worked in **Python** on a **SQL database**.
* Generated property list for every application dynamically using **python**.
* Creating unit test/regression **test framework** for working/new code.
* Using Subversion version control tool to coordinate team-development.
* Delivered presentations on **Project Status** and Current Open Issues Report **to Users, Stakeholders, and other involved groups**.
* Conducted weekly meetings with the development and testing team to relay any changed requirements and updates on the development and testing.
* Played a key role in the **planning, testing,** and implementing **system enhancements and conversions**.
* Worked closely with project manager in handling the whole project.

**Environment:**Python 3.x, Django, Shell Scripting, AWS, Pandas, PyUnit, OOAD, MS Visio, HTTP, JSON, PHP, HTML5, CSS3, AJAX, Java, JavaScript, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX**.**

|  |
| --- |
| **Humana Health Insurance- Lancaster, SC**  **Dec 2014 to Mar 2016**  **Role: Python Developer** |

Humana Healthcare Insurance is a Fortune 100 company that markets and administers health insurance in The United States. Humana is committed to helping employers manage their healthcare costs, guiding consumers to make informed health and benefits decisions, and giving back to the communities they serve.   
   
**Responsibilities:** 

* Design, develop, test, deploy and maintain the website by coding and execution of scripts in **Python/Unix**.
* Implemented **MVC architecture** in developing web applications using **Django framework**.
* Closely worked with business system analyst to understand the requirements to ensure that right set of **UI modules** been built.
* Designed the front-end applications, user interactive (UI) web pages using web technologies like **HTML, XHTML, CSS, JavaScript and jQuery**.
* Rewrite existing **Python/Django** modules to deliver certain format of data.
* Built various graphs for business decision making using **Python Matplotlib library**.
* Fetched twitter feeds for certain important keyword using **Python-Twitter library**.
* Used **PyPi** while installing the project.
* Used **Beautiful Soap** a **Python** library for **web Scraping**.
* Used **Django database API's** to access database objects.
* Using **Django** and manual **SQL**, modifications were able to modify **Django models** while retaining all data, while the site was in production mode.
* Development of **Python APIs** to dump the array structures in the Processor at the failure point for debugging.
* Performed troubleshooting, fixed and deployed many **Python** bug fixes of the two main applications that were the main source of data for both customers and internal customer service team.
* Used **Bootstrap** extensively for organizing the web page created.
* Maintained program **libraries, user's manuals** and technical documentation.
* Managed large datasets using **Panda data frames** and **MySQL**.
* Wrote and executed various **MySQL database** queries from**Python** using **Python-MySQL** connector and **MySQL dB package**.
* Developed and maintained **ETL (Data Extraction, Transformation, and Loading) mappings**.
* Developed **Spark scripts** by using **Scala shell commands** as per the requirement.
* Using Subversion version control tool to coordinate team-development.
* Actively involved in generating graphical reports using **tableau**.
* Actively involved in developing the methods for **Create, Read, Update and Delete (CRUD)** in Active Record.
* Involved in data loading using **PL/SQL**.
* Responsible for **debugging** and troubleshooting the web application. Involved in writing application-level code to interact with **APIs, Web Services** using **AJAX, JSON, and XML**.
* Define technical requirements based on business requirements.
* Wrote **Python scripts** to parse **XML** documents and load the data in the database. Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time.

**Environment:** Python, Django, HTML5/CSS, CSS Bootstrap, MySQL, PL/SQL, MS SQL, JavaScript, SVN, Linux, Shell Scripting, Apache Web Server, Pyramid, Spark.

|  |
| --- |
| **Reck Solutions - San Diego, CA**  **Aug 2013 to Nov 2014**  **Role: Python Developer** |

**Responsibilities:** 

* Wrote **Python** routines to log into the websites and fetch data for selected options.
* Implemented code in **Python**to retrieve and manipulate data.
* Used **Python** modules such as requests, **urllib, and urllib2** for **web crawling**.
* Used other packages such as **Beautiful soup** for data parsing.
* Worked on writing and as well as read data from **CSV** and **excel** file formats using **Python.**
* Web-services backend development using **Python (CherryPy, Django, SQL Alchemy).**
* Worked on resulting reports of the application and **Tableau** reports.
* Participated in developing the company's internal framework on **Python.** This **framework** became a basement for the quick service's development.
* Worked on **HTML5, CSS3, JavaScript, AngularJS, Node.JS, Git, REST API, MongoDB**.
* Design and setting up of the environment of **MongoDB** with shards and replica sets (Dev/Test and productions).
* Designed and developed components using **Python** with **Django framework**.
* Private **VPN** using **Ubuntu, Python, Django, CherryPy, Bootstrap, jQuery**.
* Created a **Python-**based **GUI** application for Freight Tracking and processing.
* Experience in designing and developing applications in **Spark** using **Scala**.
* Wrote scripts in **Python** for extracting data from **HTML** file.
* Used **Python** and **Django** creating graphics, **XML** processing of documents, data exchange and business logic implementation between servers.
* Developed rich user interface using **CSS, HTML, JavaScript, and jQuery**.
* .Participated in the complete **SDLC** process.
* Worked on automating the repetitive tasks using **Ansible**.
* Extracting acting data from the database using **SAS/Access, SAS SQL** procedures and create **SAS** data sets.
* Created and modified **PL/SQL scripts** for data conversions.
* Developed and maintained various automated web tools for reducing manual effort and increasing efficiency of the **Global Shipping Team**.
* Created database using **MySQL**, wrote several queries to extract data from the database.
* Communicated effectively with the external vendors to resolve queries.
* Held meetings with client and worked all alone for the entire project with limited help from the client.

**Environment:** **Python,** Django, MySQL, Windows, Linux, HTML, CSS, jQuery, JavaScript, Apache, Linux, Quality Centre, Ansible, PL/SQL

|  |
| --- |
| **B.H.E.L – Hyderabad, India.**  **Jan 2011 - July 2013**  **Role: Production Engineer** |

**BHEL is an Indian government owned entity that is involved in research and manufacturing of heavy electrical equipment. It also offer services for maintaining the clients in electrical network design, load management.**

**Responsibilities:**

* Responsible for creating the efficient design and developing User Interaction screens as per the client requirements using **HTML, CSS, AngularJS, JavaScript, jQuery, AJAX and JSON**.
* Used **D jango frame work** for application development.
* Running **Robot Frame work** on **Python** using the **ipybotrunner script**.
* Assisted in reduction of cost and optimization of supplier’s election for the **CRM** Applications.
* Provides a command line interface and **XML** based outputs for integration into existing build infrastructure by using **Robot Frame work**.
* Created and maintained technical documentation for launching **Hadoop** **clusters** and for executing **Hive queries** and **Pig Scripts**.
* Used **Graphical User Interface Testing** and **API driven Testing**.
* Used several **python**libraries like **wxPython, numPY and matPlotLib**.
* Using features that support complex data structures, first class functions by using **PERL**.
* Experience in working on Free form **Calculation**, and **Lasso** and **Radial Selection** by using **Tableau**.
* Implementing **Robot Frame work** using **python.**
* Developed presentation layer components using **ASP.NET**.
* Designed and developed the **UI** of the web site using **HTML, XHTML, AJAX, CSS and JavaScript**.
* Developed entire front end and back end modules using **Python** on **Django Web Framework**.
* Generated property list for every application dynamically using **python**.
* Using Sub version version control tool to coordinate team-development.
* Responsible for **debugging** and **troubleshooting** the **web application**.
* Build all data base mapping classes using **Django models** and **Cassandra**.
* Used **Pandas API** to put the data as time series and tabular format for east time stamp data manipulation and retrieval.
* Designed and developed data management system using **MySQL**.
* Created **Python** and **Bash tools** to increase efficiency of call center application system and operations; **data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API Integration**.
* Created server monitoring daemon with **Psutil**, supported by **Django app** for analytics which I created. Also researched big data solutions with **Cassandra database**.

**Environment:** Python2.7, scipy, Pandas, SVN, C++, Java, JQuery, MySQL, Linux, Eclipse, ShellScripting, AngularJS, HTML5/CSS. RedhatLinux, Apache.