**Prateek Email: Prateek.n516@gmail.com**

**Sr. Python Developer Ph: +1(612)-470-3030**

**SUMMARY:**

* Full stack developer Over 8 years of industrial experience in Designing, Development, Deployment,and maintenance of web apps-based**Django - Python** platforms.
* 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.**
* Experience of Programming using Object Oriented Programming (**OOPs** concept), architecting scalable platforms, object-oriented programming, database design.
* Designed and Implemented **IAAS and PAAS**using Cloud, Network, Server, Storage and Virtualization technologies
* More than 4 years of Professional Web Apps development experience using Django and Flask inclusive of experience in UI using **JavaScript, jQuery,**and**AngularJS**.
* Experience in using frameworks and tools like **Django** and **Django REST**.
* Proficient knowledge of Web services like **Google Cloud** and Amazon **AWS** Services.
* Worked with varieties of Relational Databases (RDBMS) like SQLite, MySQL and **PostgreSQL** and NoSQL DBs like **MongoDB** and **Cassandra**.
* Well versed in design and development of presentation layer for web applications using technologies like **HTML, CSS,** and **JavaScrip**t.
* responsible for audits of multiple programs in the **IaaS/PAAS** adoption.
* Knowledge of the Software Development Life Cycle (**SDLC**), **Agile** and **Waterfall** Methodologies.
* Experience in installing software using **pip** command for python libraries like **BeautifulSoup**,**numpy**,SciPy, PySide, **python-twitter, RabbitMQ, Celery**,matplotlib, **Pandas data-frame, uuid** and used the**PEP8** coding convention.
* Skilled in **debugging/troubleshooting issues** in complex applications.
* Strong experience using **REST Web Services** for data communication between remote systems, designed, developed and testing of REST interfaces in Python.
* Good knowledge of **version control software – SVN, GitHub**

**TECHNICAL SKILLS:**

**Languages:** Python, Java, Linux Shell Scripts.

**Web Technologies**  HTML, CSS, jQuery, JavaScript, Bootstrap

**FrameWorks:**Django, Flask, Django Rest, Spring, Hibernate.

**Databases:** Oracle, MS Access, MySQL, PostgreSQL, MongoDB, MongoDB, Cassandra.

**Tools & IDE:** PyCharm, Microsoft Visual Code, Eclipse, NetBeans IDE, JIRA, Jenkin,

CircleCI, Splunk.

**SDLC Methods** SCRUM, Agile

**Version Control** SVN, GitHub, Git

**PROFESSIONAL EXPERIENCE:**

**Molex - Lisle, IL Feb 2017 - Present**

**Sr. Python Developer**

**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.
* Worked on Django **Signals**, **Celery,**and**RabbitMQ** queues.
* Implemented **Iaas/Paas** in cloud for immediate availability.
* 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 **microservices** 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.
* Used **CircleCI** for continuous integration and delivery platform over **GIT**.
* Worked on multiple **containers** and managed the **load balancing** between all the containers using **NGINX**.
* Used **Django Migrations** for designing and expanding of the database.
* Automated most of the daily task using **python scripting**.
* 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.

**Environments**: Python 2.7, Django, Django Rest, Flask, React, Redux, CircleCI, Vagrant, Splunk, New Relic Server, GitHub, Ansible, HTML5/CSS, PostgreSQL, Amazon Web Service (AWS), S3, EC2, EBS, PyCharm, Microsoft Visual Code, Linux, Shell Scripting, JIRA.

**TaxAct – Des Moines, IA May 2015 – Dec 2016**

**Full Stack Python Developer**

**RESPONSIBILITIES:**

* Designed and developed the complete admin module and **resolved issues** and **enhanced** the Admin module for more achievements.
* Used **Python** programming and **Django** for the backend development, **Bootstrap** and **Angular** for frontend connectivity and **MongoDB** for thedatabase.
* Developed a **Django ORM** module queries that can pre-load data to reduce the number of databases queries needed to retrieve the same amount of data.
* A **Django** dashboard with acustom look and feel for theend user has been created after a careful study of the **Django** admin site and dashboard.
* Worked on **Docker** and **Ansible**.
* Implemented Cloud considering Platform as a service (Paas).
* Used JavaScripts for **data validations** and designed validations modules.
* Developed project's web page as **Single Page Application** (SPA) by using **AngularJS** and JavaScript API and build delivery driver application.
* Developed views and templates with **Django view controller** and template to create a user-friendly website interface.
* Used **Pandas API** to put the data as time series and tabular format for local timestamp data manipulation and retrieval and storing it into **MongoDB**.
* Deployed and tested different modules in **Docker containers** and **GIT**.
* Used **multiple containers** and managed the load balancing between all the containers using **NGINX**.
* Implemented programming automation using **Jenkins** and **Ansible** on Unix/Linux based OS over cloud like Docker.
* Automated MySQL container deployment in Docker using Python and monitoring of these containers.
* Used Python Library **Beautiful Soup** for web scrapping to extract data for building graphs
* Implemented **AWS** as an **IaaS** Provider with features from EC2 instances and S3 Storage.
* Uploaded the admin module on **Elastic Bean Stalk** (EBS) and **EC2** and stored the static files in **S3** on Amazon cloud.
* Automated most of the task using python scripting, **RaspberryPI** and **Raspbian** OS, and Unix/Linux Shell Scripting.
* Developed **leadership** skills and managing the team spirit.

**Environments**: Python 2.7, Django, Django Rest, Flask, AngularJS, JavaScript Validation, Jenkins, Dockers, Container, GitHub, Ansible, RaspberryPI, Raspbian, HTML5/CSS, MS SQL Server 2013, Amazon Web Service (AWS), S3, EC2, EBS, MySQL, JavaScript, PyCharm, Linux, Shell Scripting, JIRA.

**Acertara Labs – Longmont, COApr 2013 – April 2015**

**Python Developer**

**Responsibilities:**   
• Analysis and Design of **Django**application.   
• Developed entire frontend and backend modules using **Python** on **Django** Web Framework.   
• Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them.   
• Exported/Imported data from different data sources using **SQL Server Management Studio.**• Maintained program libraries, users' 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** package.   
• Worked on **JavaScript MVC Framework** like **Angular.js and Node.js**.   
• Carried out various mathematical operations for calculation purpose using **python libraries**.   
• Built various graphs for business decision making using Python matplotlib library.   
• Fetched twitter feeds for certain important keyword using thepython-twitter library.   
• Used Python library **BeautifulSoup** for **webscrapping**.**ss**.   
• Performed troubleshooting, fixed and deployed many **Pythonbugfixes** of the two main applications that were the main source of data for both customers and internal customer service team.   
• Implement code in **python** to retrieve and manipulate data.   
• Used **Django** configuration to manage URLs and application parameters.   
• Also used **Bootstrap** as a mechanism to manage and organize the HTML page layout.   
   
**Environment**: Python, Django, Flex, Beautiful soup, PyUnit, Angular.js, Node.js, XML, MS Visio, MS Project, JIRA, Apache, Git, UML, SQL, Windows,and Linux,

**CalSoft Labs – Hyderabad, India. Sep 2011 – Feb 2013**

**Python Developer**

**RESPONSIBILITIES:**

* Create anapplication using Django using **RESTful API**.
* Ensured high-**quality data collection** and maintaining the integrity of the data. Designed and developed the UI of the website using HTML, AJAX, CSS,and**JavaScript**. Designed and developed the data management system using **MySQL**.
* Build SQL queries for performing various **CRUD** operations like create, update, read and delete.
* Used **Django Database API**'s to access database objects.
* Handled all the client-side validation using **JavaScript** and **jQuery**.
* Creating unit test/regression **test framework** for working/creating new code.
* Build all **Database Mapping** classes using Django Generic, Class and functioned based methods.
* **File handling** for the client data in files like .txt and .xlxs file for data retrieval and storing purpose. Graphical data representation using python modules like **NumPy**, **SciPy**, **Pandas**, **Pygal** and installed using **pip** command toolkit**.**
* **Data Exchanges** and sorting as per customer requirement between Database and Files.
* Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs.
* Used **PEP** coding convention for making thecode more understandable.
* Responsible for **debugging** and troubleshooting the web application.

**Environments:** Django, JavaScript, MySQL, NumPy, SciPy, Pandas API, PEP, PIP, unit and regression testing, Rest Framework, Data handling,and sorting.

**Vistex Inc - Hyderabad, India April 2010 – Aug 2011**

**Python Software Engineer**

**RESPONSIBILITIES:**

* Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modeling, analysis, design,and development.
* Involved in the process of creating Use-case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase and developed the Coding module.
* Created Python and Bash tools to increase theefficiency of thecall center application system and operations, data conversion scripts, **REST**, JSON, and CRUD scripts for **API Integration**.
* Automation of **unit testing** using Python.
* Used **Unix/Linux** OS based cloud for the deployment.
* Wrote **scripts** in Python for extracting data from HTML file using Python Library**Beautiful Soup**.
* Experience with Data migration from Sqlite3 to **MongoDB**.
* Build the Silent Circle Management System (SCMC) in **Django**, **Python**, and **AngularJS** 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 race route, **SMTP** mail server,and web server.
* Used standard Python modules e.g. csv, robot parser, iter tools, **pickle**, **jinja variables**, lxml for development.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, CSS, JavaScript, Bootstrap, jQuery and **RESTAPI calls.**
* 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.
* Experienced in **Agile** Methodologies and SCRUM Process.

**Environments:** Python, Django, REST API, Agile, Heroku, Bootstrap, pickle, jinja, SMTP, Django ORM, Pandas API, MongoDB, Beautiful Soup.