Python developer Python developer Python Developer Charlotte, NC   Around 5 years of experience as a Python Developer with a deep understanding of technology trends with expertise in the core of complex technologies. Solid experience in analysis, design, and development, testing, implementation and maintenance of various web applications using Python and Django Experience in application development using PYTHON, Django, HTML5, CSS, JavaScript, jQuery, Oracle, MySQL, PostgreSQL and SQLite.   Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio, and PyDev.   Hands on Experience with the implementation of Python libraries NumPy, SciPy, PyTables, SQL Alchemy, Matplotlib, Pandas, Beautiful Soup and urllib in various tasks.   Strong knowledge of Object-Oriented Design and Programming concepts and Experience in Object Oriented Programming (OOP) concepts using Python, C++.   Experience in Cloud Computing AWS - EC2, RDS, S3, Glacier, SQS, SNS, Cloud Formation, VPC, IAM, Route 53, EBS, DynamoDB, Lambada, Redshift   Experienced in Working on Big Data Integration and Analytics based on Hadoop, Spark and No-SQL databases like HBase and MongoDB.   Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker registries and Kubernetes.   Hands on experience in Agile Methodologies, Scrum stories and sprints experience in a Python based environment.   Experience in developing Web Services with Python programming language.   Experience in using Design Patterns such as MVC, Singleton and frameworks such as DJANGO.   Developed CI/CD system with Jenkins on Google's Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.   Experience in writing Subqueries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.   Basic knowledge on Rest API and JSON Parsing, jQuery and Angular JS   Experience in Shell Scripting, SQL Server, Unix and Linux.   Experience in designing the automation framework using Shell scripting.   Experience in writing test plans, test cases, test specifications and test coverage.   Experience on Hadoop (HDFS), Hive QL, Impala, Apache Drill, Apache Spark, SQOOP, FLUME/Kafka.   Experience with Version Control with SVN, CVS, and GIT.   Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL, PostgreSQL, Oracle

and MongoDB. Designed and Developed automation scripts using Selenium Web Driver. Experience in implementing PEP8 coding standards. Experienced in installing, configuring, modifying, testing and deploying applications with Apache. Experience in developing big data applications using Hadoop framework and its eco systems like MapReduce. Work Experience Python developer Nucor - Charlotte, NC July 2017 to Present Working as a python developer Python Developer United Airlines - Chicago, IL March 2015 to June 2017 Responsibilities Providing daily reports to the development team and the manager, participate in both the design and development phase. Participated in Daily stand-up meetings and provided status on work progress Strong understanding of MySQL database. Wring Queries on Existing schema for Analysis. Created database using MySQL and wrote several queries to extract data from database. Designed and developed a horizontally scalable APIs using Python Flask. FSpicy Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application. Developed server-based web traffic statistical analysis tool using Flask, Pandas and had implemented and tested python-based web applications interacting with MySQL. Developed and tested many features in an Agile environment using Python, Django, HTML5, CSS, JavaScript, Bootstrap. Responsible for designing and deploying new ELK clusters (Elasticsearch, Logstash, Graphite Kibana, beats, Kafka, zookeeper etc. Implemented AngularJS controllers to maintain each view data Involved in writing application level code to interact with APIs, Web Services using AJAX, JSON, XML, Angular JS and Node JS. Working with container-based deployments using Docker, working with Docker images, Docker Hub and Docker registries and Kubernetes. Implemented Microservices architecture in developing the web application with the help of Flask framework. Rewrite existing Python/Django modules to deliver certain format of data. Working in team of developers to build and deploy Flask, Linux, AWS. Involved in maintaining and editing Python scripts for application deployment automation Working on various Integrated Development Environments like Pycharm, Anaconda Spyder. Developed a portal to manage and entities in a content management system using Flask. Created, activated and programmed in Anaconda environment. Wrote programs for performance calculations using

NumPy. Implemented Model View Control (MVC) architecture using server-side applications like Django and Flask for developing web applications. Wrote Python scripts to parse XML documents and load the data in database. Created Python scripts used to generate reports. Worked on creating the Docker containers and Docker consoles for managing the application life cycle. Setup Docker on Linux and configured Jenkins to run under Docker host. Rewrite existing Java application in Python Built various graphs for business decision making using Python matplotlib library. Developed Restful Microservices using Flask and Django and deployed on AWS servers using EBS and EC2. Applied HTML, HTML5, Java scripting and CSS for generating daily reports. Using the Numpy, Anaconda and keras module. Developed automatic generated reports using python and SQL. Design and implement the python scripts based on the requirement. Analyze the data using the Daily reports and work based on the requirement and targets, which discussed in the stand-up meetings. Performed troubleshooting, fixed and deployed many python bug fixes. Creation of python scripts for data access and analysis to aid in process and system monitoring. Involved in Agile methodology and scrum process. Participated in Design, Develop and deployment of the project. Implement code in python to retrieve and manipulate data. Python Developer United Airlines - Chicago, IL March 2015 to June 2017 Responsibilities: Django Framework was used in developing web applications to implement the MVT architecture. Exposure on Multi-Threading factory to distribute learning process back-testing and into various worker processes. Worked on user portal, creating forms and adding users. Developed dynamic web pages using Python Django Frameworks Used Django Restful API for database access. Wrote Python scripts to parse JSON documents and load the data in database. Features for dashboard were developed and tested using CSS, AngularJS and Bootstrap Developed forms using HTML and performing client-side validations using JavaScript, jQuery and Bootstrap Cleansing data generated from weblogs with automated scripts in Python Used PostgreSQL database for storing the information and experience in performing CRUD operations to operate Schema objects to browse functions in python Performed Tuning, Query Optimization, Client/Server Connectivity and Database consistency checks, Backup and Recovery Involved in

Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Shell script.   Used GIT repository for software configuration management and version control   Used JIRA for tracking and Updating Project issue   Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were   Maintained main source of data for both customers and internal customer service team.   Maintained technical documentation for resolved issues for future reference   Coded test programs and evaluated existing engineering process   Effectively communicated with the external vendors to resolve queries. Python Developer(Internship) Activision Blizzard - Santa Monica, CA October 2014 to February 2015 Responsibilities   Developed the presentation layer using HTML, CSS, JavaScript, JQuery and AJAX.   Utilized Python libraries wxPython, numPY, Pandas, Twisted and matPlotLib. Implemented SQL Alchemy which is a python library for complete access over SQL.   Worked on Element Tree XML API in python to parse XML documents and load the data in database.   Skilled in collections and used for manipulating and looping through different user defined objects. Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.   Used Pandas library for statistical Analysis.   Pandas library was used for flexible reshaping and pivoting of data sets.   Used Django configuration to manage URLs and application parameters.   Created entire application using Python, Django, MySQL and Linux.   Installed, configured, and managed the AWS server.   AWS data pipeline for Data Extraction, Transformation and Loading from the homogeneous or heterogeneous data sources.   Accessed database objects using Django Database APIs.   Worked on python-based test frameworks and test-driven development with automation tools.   Strong experience working with real time streaming application and batch style large scale distributed computing applications using tools like Spark Streaming.   Implemented advanced procedures like text analytics and processing using the in-memory computing capabilities like Apache Spark written in Scala. Responsible for debugging and troubleshooting the web application.   Manage the configurations of multiple servers using Ansible.   Deployed mircoservices2, including provisioning AWS environments using Ansible Playbooks.   Provisioned load balancer, auto-scaling group and launch

configuration for microservice using Ansible. Used Ansible playbooks to setup Continuous Delivery pipeline. This primarily consists of a Jenkins and Sonar server, the infrastructure to run these packages and various supporting software components such as Maven, etc. wrote playbooks for Ansible and deploying applications using Ansible. Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using Ansible playbooks and has integrated Ansible with Run deck and Jenkins. Provisioned and patched servers regularly using Ansible. Implemented Ansible to manage all existing servers and automate the build/configuration of new servers. Developed an Ansible role for Zabbix-agent which will be integrated into the to the CI/CD pipeline. Used Ansible to document all infrastructures into version control. Used Ansible to document application dependencies into version control. Responsible for on boarding Application teams to build and deploy their code using GitHub Jenkins, Nexus and Ansible Managed GitHub Projects and migrated from SVN to GitHub with history. Education Bachelor's Skills Javascript, MySQL, PHP

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