

Python Developer Python Developer Python Developer - T-Mobile Irving TX, TX Over 6 years of extensive experience in Machine Learning solutions to various business problems and generating data visualizations using Python. Experience as a Professional Qualified Data Scientist in Data Science and Analytics including Machine Learning, Data Mining, and Statistical Analysis Used Pandas, NumPy, Pickle, Scikit-learn in Python for developing various machine learning models. Hands on experience in implementing Naive Bayes, Random Forests, Decision Trees, Linear and Logistic Regression, SVM, Clustering, neural networks, Principle Component Analysis and good knowledge on Recommender Systems. Implemented deep learning models and numerical Computation with the help of data flow graphs using Tensor Flow Machine Learning. Worked with numerous data visualization tools in python like matplotlib, seaborn, ggplot, pygal. Experience in designing visualizations using Tableau software and publishing and presenting dashboards, Storyline on web and desktop platforms. Used the version control tools like Git. Worked and extracted data from various database sources like Oracle, SQL Server, DB2, and Teradata. Good knowledge of Hadoop Architecture and various components such as HDFS, Job Tracker, Task Tracker, Name Node, Data Node, Secondary Name Node, MapReduce concepts, and ecosystems including Hive and Pig. Strong experience in Software Development Life Cycle (SDLC) including Requirements Analysis, Design Specification and Testing as per Cycle in both Waterfall and Agile methodologies. Proficient knowledge in statistics, mathematics, machine learning, recommendation algorithms and analytics with excellent understanding of business operations and analytics tools for effective analysis of data. Highly self-motivated, enthusiastic, and result-driven with the ability to effectively communicate with all levels of the organization including senior management and executives. Guide the development teams to break down large and complex user story into simplified versions for execution.

Work Experience Python Developer T-Mobile - Dallas, TX January 2017 to Present Responsibilities: Developed Consumer-based custom features and applications using Python, Django, and HTML. Experienced with Software Development Life Cycle, Database designs, agile methodologies, coding, testing of enterprise applications and IDE's such as Jupiter Notebook, PyCharm, Emacs, WebStorm, IntelliJ and Visual

Studio. Experienced with Python Libraries Beautiful Soup, NumPy, Pandas data frame, Matplotlib, python-twitter, urllib2. Experience in developing web-based applications using Python, Django, PHP, XML, CSS, HTML, JavaScript and jQuery. Extensive experience in designing and implementing various web applications in WAMP (Windows, Apache, MySQL, PHP) Experienced in application of various machine learning algorithms and statistical modeling techniques like decision trees, regression models, and SVM in Python Extensive experience in designing and implementing various web applications in both LAMP (Linux, Apache, MY SQL, PHP) Environments. Working with backend python automation, CI pipelines, Docker and cloud provisioning/automation. Experience with Django and Flask a high-level Python Web framework. Good experience with following PEP Guidelines in Python. Experienced in MVC frameworks like Flask and Pyramid and MVT framework like django. Experience in Implementation of MVC/ MVW architecture using Servlet, Django, and RESTful, SOAP web service and SOAPUI. Experience and understanding of React Redux life cycle with components and rendering to DOM. Good experience in Shell Scripting, UNIX commands. Experience in developing applications in Linux Environments such as Red Hat, CentOS, Ubuntu. Good Experience in Linux Bash scripting. Experience in working with Relational DB (RDBMD) like SQLite, MYSQL Workbench, PostgreSQL and No-SQL database MongoDB for database connectivity. Experience in analyzing and handling large datasets using Oracle Relational database. Having experienced in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL, PL/SQL and PostgreSQL database. Basic Knowledge on JSON based REST Web services and Amazon Web services. Basic knowledge on Rest API and JSON Parsing, jQuery and Angular JS Experience in building frameworks in Python for Test Automation. Having Good Experience in Object Oriented Concepts with Python. Extensive experience in using Python/Perl to code and design various phases for data processing pipeline. Experienced on Installation, Integration and Configuration of third party tools, Content Management System (CODEIGNITER, Zend, Laravel, Smarty) Good knowledge on IBM WebSphere Application Deployment and maintenance of an application on Application Server using clusters concept and IBM Tivoli Monitoring. Good knowledge in various phases of SDLC

Requirement Analysis, Design, Development and Testing on various Development and Enhancement Projects. Experienced in Agile Methodologies and SCRUM process including Sprint planning, backlog grooming, Daily Standups, Code review, Pert Chart, Gant Chart. Good Experience in error and exceptional handling. Managed windows servers which included Active Directory maintenance and support Hands on experience with bug tracking tools such as JIRA and Bugzilla. Maintained customers relationship management databases (MySQL / PostgreSQL) Unit testing for the entire code to fix bugs. Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings. Experience in writing test plans, test cases, test specifications and test coverage. Environment: Python, Django, Web Framework, HTML5, CSS3, Bootstrap, MongoDB, Linux, Javascript, JQuery, AJAX, JSON, Sublime Text, Jira, Git, Django-cms, SSO, database access, Django-cms plugins, Bootstrap, Agile, Eclipse, Weblogic, GitHub, Junit, UML, JSP, Xml, SOA. Sr. Python Developer Dell - Austin, TX June 2015 to December 2016

Responsibilities: Participated in requirement gathering and worked closely with the architect in designing and modeling. Developed entire frontend and backend modules using Python on Django Web Framework. Developed tools using Python, Shell scripting, XML, BIG DATA to automate some of the menial tasks. Used PyQt for the functionality filtering of columns helping customers to effectively view their transactions and statements. Implemented navigation rules for the application and page. Performed testing using Django's Test Module. Implemented Learning schemes using Python libraries scikit-learn and scipy. Used Django configuration to manage URLs and application parameters. Involved in Web development, programming, and engineering Django, UWSGI and SQL internal admin tools behave BDD. Used Python and Django to interface with the JQuery UI and manage the storage and deletion of content. Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash. Designed and managed API system deployment using fast http server and Amazon AWS architecture Implemented machine learning schemes using Python libraries scikit-learn and scipy. Creation of Python scripts for data access and analysis (Scripts, DataFeeds, XLS, FIXML) to aid in process and system monitoring, and reporting. Wrote Python scripts to

parse XML documents and load the data in database. Generated property list for every application dynamically using Python. Also used Bootstrap and Angular.js as a mechanism to manage and organize the HTML page layout. Responsible for search engine optimization to improve the visibility of the website. Designed and developed the UI of the website using HTML5, XHTML, AJAX, CSS3, BIG DATA and JavaScript. Handled all the client side validation using JavaScript. Designed and developed data management system using MySQL. Created a Git repository and added the project to GitHub. Build development environment with JIRA. Creating unit test/regression test framework for working/new code. Using Subversion version control tool to coordinate team-development. Responsible for debugging and troubleshooting the web application. Environment: Python, Django, Java, Angular.js, Bootstrap, AWS, Bash, PyQt, XML, Shell Scripting, MySQL, HTML, XHTML, CSS, AJAX, JavaScript, Jenkins, Apache Web Server, Linux. Python Developer Schlumberger - Houston, TX July 2014 to June 2015 Responsibilities: Understanding the functional requirements from business analysts and developing the server side modules using Python. Developed spark programs using Python, involved in creating Spark SQLQueries and developed the continuous workflow for spark jobs. Written extensive sql queries to do transformations on the data to be used by downstream models. Developed map reduce programs as a part of predictive analytical model development. Written spark python for model integration layer. Developed programs in Spark based on the application for faster data processing than standard MapReduce programs. Involved in creating Maprdb tables, loading with data and writing sql queries which will run internally in map reduce way. Implemented Spark SQL to access MaprDb tables into spark for faster processing of data. Validated the business use cases using Apache drill. Designed, developed, implemented and maintained solutions for using Docker, Jenkins, Git for micro services and continuous deployment. Written high Quality SQL and UNIX Shell Scripting code based on Business requirement. Extracted data from Json tables which are resides in MapRDB using pyspark. Used Git for version control and TFS for tracking Environment: Python, MAPR Distribution, MaprDB, Spark, Apache Drill, Anaconda distribution, Flask, Oracle, Pycharm, Docker, TFS, Jenkins, Jira, Git. Python Developer John Deere - Arlington,

VA March 2013 to May 2014 Responsibilities: Developed backend modules using Python on Django Web Framework. Designed and developed Use- Case, Class and Object Diagrams using UML Relational Rose for Object Oriented Analysis (OOA) /Object Oriented Design techniques (OOD) Designed and developed data management system using PostgreSQL. Built application logic using Python. Used Apache CouchDB (NoSQL) in AWS Linux instance in parallel to RDS MySQL for storing and analysis. Used Django API's for databases access. Implemented public segmentation using unsupervised machine learning algorithms by implementing k-means algorithm using Spark. Used AWS RestAPI gateway and connected with lambda functionality. Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. Used Amazon Web Services (AWS) for improved efficiency of storage and fast access. Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.

Used Scala to convert Hive/SQL queries into RDD transformations in Apache Spark. Implemented Spark Scripts using Scala, Spark SQL to access hive tables into spark for faster processing of data. Participated in the complete SDLC process and used PHP to develop website functionally. Used Python to extract information from XML files. Worked on development of SQL and stored procedures on MySQL. Build/Provision Docker container using Docker compose Participated in requirement gathering and worked closely with the architect in designing and modelling. Used F5 GTM for external DNS resolutions configured all listeners and created all zone files, A record and Names. DNS administration like adding/modifying/deleting IP address and DNS assignments using log messages. Designed and developed a horizontally scalable API's using Python Flask. Developed shopping cart for Library and integrated web services to access the payment (E-commerce) Designed Cassandra schema for the APIs. Education Bachelor of Science in Information Systems University of Texas at Arlington - Arlington, TX 2013 Skills Machine Learning Regression analysis, Decision Tree, Random Forests, Na ve Bayes, SVM, Neural Network, K-Means Clustering and KNN. Programming Languages Python (2 &3), SQL, Java, C/C++, Scala, PHP Frameworks and Toolkits NumPy and Pandas. Statistical Methods Descriptive statistics, Hypothesis Testing, ANOVA, Chi-square testing, F-tests, Confidence Intervals, Bayes Law,

Dimensionality Reduction, ROC curve. Databases Oracle 10g/9i/8i, MS SQL Server 2008, MS Access, MySQL 5.x, Operating Systems Windows NT/2000/XP/7,8&10, Windows Server 2008. (6 years)

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