Python Developer Python Developer Python Developer - TJX Waldorf, MD   7+ Years of experience in Analysis, Design, Development, Testing, Customization, Bug fixes, Enhancement, Support and Implementation of various web, stand-alone, client-server enterprise applications using Python, Django in various domains.   Experience working in Java, JavaScript, and Python software development environments.   Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.   Experience in developing web-based applications using Python 2.7/2.6, Django 1.4/1.3, PHP, Flask, Webapp2, Angular.js, VB, C++, XML, CSS, HTML, DHTML, JavaScript and JQuery.   Proficient in Front end development experience using HTML, XML, CSS, JQuery, JSON, JavaScript, CSS and Bootstrap.   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.   Very strong experience writing API's/ and Web Services in PHP and in Python.   Utilized Python Pandas framework to provide data analysis.   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.

   Developed consumer based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair based programming.   Strong Experience in Big data technologies including Apache Spark, Hadoop, HDFS, Hive, Cassandra, MongoDB.   Experienced with batch processing of data sources using Apache Spark.   Good working experience in processing large datasets with Spark using Scala and Pyspark.   Good experience in developing web applications implementing MVT/MVC architecture using Django, Flask, Webapp2 and spring web application frameworks.   Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.   Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.   Experience with creating scripts for data modeling and data import and export. Extensive experience in deploying, managing and developing MongoDB clusters.   Experience in using UNIX shell Scripts for automating batch programs.   Experience in performing signal processing and machine learning algorithm

development for a variety of programs. 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 with Unit testing/ Test driven Development (TDD), Load Testing. Excellent debugging, problem solving, optimization and testing skills. Authorized to work in the US for any employer Work Experience Python Developer TJX - Marlborough, MA August 2014 to Present Responsibilities: Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution. Developed views and templates with Python and Django's view controller and template language to create a user-friendly website interface. Representation of the system in hierarchy form by defining the components, subcomponents using Python and developed set of library functions over the system based on the user needs. Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery. Designed and implemented Model-View-View Model pattern for many components in the project (Contracts, Products, Search Sales, Employees, BackOffice Admin). Created Data tables utilizing PyQtto display customer and policy information and add, delete, update customer records. Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Used Django framework for application development. Development of Python APIs to dump the array structures in the Processor at the failure point for debugging. Used Pandas API to put the data as time series and tabular format for easy timestamp data manipulation and retrieval. Automated Regression analysis for determining fund returns based on index returns (Python/Excel). Developed server based web traffic statistical analysis tool using Flask, Pandas. Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. Designed Data Quality Framework to perform schema validation and data profiling on Spark (Pyspark) Leveraged spark (Pyspark) to manipulate unstructured data and apply text mining on user's table utilization data Used JQuery and Ajax calls for transmitting JSON data objects between frontend and controllers. Creating restful web services for Catalog and Pricing with Django MVT, Jersey, MySQL, and MongoDB. Used SOAP and Restful API for information extraction. Environment: Python, Django,

HTML, CSS, Javascript, JQuery, SOAP, MVT, MySQL, MongoDB. Python Developer Huntington - Columbus, OH November 2012 to July 2014 Responsibilities: Developed entire frontend and backend modules using Python on Django Web Framework.   Utilized PyQt to provide GUI for the user to create, modify and view reports based on client data.   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.   Developed user interface using CSS, HTML, JavaScript and JQuery.   Used standard Python modules e.g. csv, robot parser, itertools, pickle, jinja2, lxml for development.   Rewrite existing Java application in Python module to deliver certain format of data.   Wrote Python scripts to parse XML documents and load the data in database.   Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, CSS, JavaScript, Bootstrap, JQuery and REST API calls.   Utilize PyUnit, the Python unit test framework, for all Python applications.   Developing predictive analytic using Apache Spark Scala APIs.   Used Numpy and pandas for Numerical and statistical analysis.   Applied MLlib for data mining and tuning parameters to seek the best model in test datasets.   Responsible for search engine optimization to improve the visibility of the website. Used Python and Django to interface with the JQuery UI and manage the storage and deletion of content.   Successful implementation of Apache Spark and Spark Streaming applications for large scale data.   Creating data pipelines using Apache Spark, a big-data processing and computing framework.   Planning, implementing, and converting manual test cases to automation test cases. Creating unit test/regression test framework for working/new code   Using Subversion version control tool to coordinate team-development.   Created a Git repository and added the project to GitHub.   Responsible for debugging and troubleshooting the web application.   Wrote Python modules to extract/load asset data from the MySQL source database.   Manage MySQL content database, security and role management, apply updates, and maintain schema and documentation.

   Resolved ongoing problems and accurately documented progress of a project.   Environment: Python, Django, Web Framework, HTML, CSS, JQuery UI, MySQL, Python/Software Developer Heartbeat Software - New York, NY January 2012 to October 2012 Responsibilities: Involved in

the Design, development, test, deploy and maintenance of the website.   Translated the customer requirements into design specifications and ensured that the requirements translate into software solution.   Used Python based GUI components for the front end functionality such as selection criteria.   Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser.   Responsible for user validations on client side as well as server side.   Wrote python scripts to parse XML documents and load the data in database.   Used JQuery libraries for all client side JavaScript manipulations.   Exposure on Multi-Threading factory to distribute learning process back-testing and the into various worker processes.   Managed large datasets using Pandas data frames and MySQL.   Added the navigations and paginations and filtering columns and adding and removing the desired columns for view.   Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.   Wrote Python scripts to parse XML documents and load the data in database.   Responsible for debugging the project monitored on JIRA (Agile).   Designed and created backend data access modules using PL/SQL stored procedures and Oracle. Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Responsible for debugging and troubleshooting the web application.   Developed and executed User Acceptance Testing portion of test plan.   Developed, tested and debugged software tools utilized by clients and internal customers.   Held overall responsibility of coordination of implementations of software builds and releases.   Provided analytics to help determine optimal way to assemble releases.   Facilitated release planning meetings to construct efficient releases that reflect demand and capacity.   Environment: Python, MySQL, XML, JIRA. Software Developer ThinkGuy Solutions - IN September 2008 to October 2011 Responsibilities: Involved in Design and development of UI screens for Add and Update Lending Application using Struts frame work. Involved in developing the business components using JAVA and JDBC.   Design and development of UI screens using JSP.   Worked with AJAX framework to get the asynchronous response for the user request and used JavaScript for the validation.   Developed user-friendly modals for the form submissions using simplemodal.js, JQuery, Ajax and JavaScript.   Used MVC Architecture in spring

framework and implemented custom tag libraries. Generated Use case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase. Implemented client side validations for Search and Security modules using JavaScript and Validation Framework. Built web-services using SOAP that allowed integrating the business application with the legacy applications and also facilitates for future applications. Generated property list for every application dynamically using Python. Creating unit test/regression test framework for working/new code. Used JavaScript and XML to update a portion of a webpage. Used Python based GUI components for the front-end functionality such as selection criteria. Developed the dynamic User Interface using JSP utilizing Custom Tag Libraries, HTML, CSS, and JavaScript. Used Object Oriented Application Design (OOA/D) for deriving objects and classes. Created tables, views, Types, triggers, complex join queries, stored procedures, and functions and modifications to existing database structure as required for addition of new features using SQL developer. Environment: Java, JDBC, Python, XML, OOA, SQL, JQuery, AJAX. Education Bachelors Andhra University Additional Information Technical Skills Primary Languages: Python, Java, C Python Libraries: Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, urllib2 Frameworks: Bootstrap, Django, Node.JS, Flask, PyJamas, Pyspark, Pyramid, Hibernate Database: Sqlite3, MySQL, Mongo DB, Hadoop, Oracle 11g IDE's: Pycharm, Eclipse, NetBeans, MS Visual Studio, PyDev, RIDE Servers: Apache Tomcat, WebSphere, JBoss, WebLogic, XAMPP Deployment tools: MS Azure, Heroku, Amazon Web Services (EC2, S3, EBS, ELB, SES) Web Technologies: HTML, CSS, DHTML, XML, Java Script Operating systems: Windows, Mac, Fedora Linux, Red hat Linux SDLC Methods: SCRUM, Agile Testing Frameworks: Junit, TestNG, ROBOT, JXL, JTest Bug Tracking Tools: Axosoft, JIRA, Bugzilla, Rational Clear-quest Version Controls: VSS, SVN, GitHub, Git

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