Senior Python Developer Senior Python Developer Senior Python Developer - American Express Jersey City, NJ Work Experience Senior Python Developer American Express - New York, NY December 2016 to Present Roles & Responsibilities:　　Developed architecture for parsing applications to fetch the data from different services and transforming to store in different formats.　Developed parsers for Extracting data from different sources of web services and transforming to store in various formats such as CSV, Database files, HDFS storage, and etc. then to perform analysis.　　Wrote Parsers in Python for extracting useful data from the design data base. Used Parsekit (Enigma.io) framework for writing Parsers for ETL extraction.　　Implemented Algorithms for Data Analysis from Cluster of Web services.　　Worked with lxml to dynamically generate SOAP requests based on the services. Developed custom Hash-Key (HMAC) based algorithm in Python for Web Service authentication.　　Worked with ReportLab PDF library to dynamically generate the PDF documents with Images and data retrieved from various sources of Web services.　　Built the Web API on the top of Flask framework to perform REST methods. Used MongoDB and MySQL databases in Web API development. Developed database migrations using SQL Alchemy Migration.　　Generated graphical reports using python package Numpy and Matplotlib.　　Used advance features like pickle/un-pickle in python for sharing the information across the applications. Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQL db package to retrieve information.　　Utilized Python libraries wxPython, Numpy, Twisted and Matplotlib.　　Wrote Python scripts to parse XML documents and load the data in database.　　Used Wireshark, live http headers, and Fiddler2 debugging proxy to debug the Flash object and help the developer create a functional component. The PHP page for displaying the data uses AJAX to sort and display the data. The page also outputs data to .csv for viewing in Microsoft Excel.　　Used Python based GUI components for the front end functionality such as selection criteria. Administration of dedicated collocated RHEL 4 machine and configured complex Apache configuration files.　　Added support for Amazon AWSS3 and RDS to host static/media files and the database into Amazon Cloud.　　Wrote Python scripts with Cloud Formation templates to automate installation of Auto scaling, EC2, VPC, and other services.

Used Jenkins AWS Code Deploy plugin to deploy to AWS. Involved in Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Shell script. 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. Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments. Used third party JQuery based plug-ins like JQuery UI, Data tables etc. Heavily used JavaScript for Form Submit and other UI elements during development Sr. Python Developer Multi Plan - New York, NY November 2015 to November 2016 Roles & Responsibilities: Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery. Contributed to development of security policies and processes. Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. Refactor Python/Django modules to deliver certain format of data. Development of Python APIs to dump the array structures in the Processor at the failure point for debugging. Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. Written functional PHP Unit test cases for Data Layer, and Search server classes using Django, Curl, XML, JSON, REST base services and MongoDB. Created restful web services for Catalog and Pricing with Django MVT, Jersey, MySQL, and MongoDB. Interact with backend using Java and Hibernate Framework. Involved in Coding of Enterprise Java Beans, which implements business rules, and business logic. Involved in developing the Java classes and JavaBeans. 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. Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to web application. Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records. Used Python and Django creating graphics, XML processing, data exchange and business logic implementation. Utilize in-depth

knowledge of Technical experience in LAMP and other leading-edge products and technology in conjunction with industry and business skills to deliver solutions to customer.   Developed multiple spark batch jobs in Scala using Spark SQL and performed transformations using many APIs and update master data in Cassandra database as per the business requirement.   Written Spark-Scala scripts, by creating multiple UDF's, Park Context, Cassandra SQL Context, Multiple API's, methods which support Dataframes, RDD's, Dataframe Joins, Cassandra table joins and finally write/save the Dataframes/RDD's to Cassandra database.   As part of the PoC, migrated the data from source systems to another environment using Spark, SparkSQL.   Developed and implemented Core API services using Python with spark.   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.   Created Dataframes in particular schema from raw data stored at Amazon S3 using PySpark.   Used PySpark Data frame for creation of table and performing analytics over it   Used REST and SOAPUI for testing web service for server side changes. Prepared the Logical Data Sheets (LDS) and Master Data Sheets (MDS) for the Regression Testing. Environment: Python 2.7, Django 1.8, MongoDB, MySQL, AJAX, SOAP, REST, JQuery, JavaScript, Bootstrap, PyCharm, Apache Spark, AWS (EC2, S3, RDS) Python Developer GE Healthcare Information Technologies - Chicago, IL March 2014 to October 2015 Roles & Responsibilities: Used Django framework for application development.   Assisted in reduction of cost and optimization of supplier selection for the CRM Applications.   Used methods for cross application use using the Class Builder and Object Oriented programming.   Generated an API Reference guide to help application developers for creating the software applications to store data using DDN S3 (compatible with Amazon S3 API) or DDN OpenStack Swift API calls.   Ensured high quality data collection and maintaining the integrity of the data.   Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries. Used TDD (Test driven development) methodology.   Used several Python Libraries like wxPython, Numpy and Matplotlib.   Involved in environment, code installation as well as the SVN implementation.   Built all database mapping classes using Django models and Cassandra.   Used

Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.   Designed and developed data management system using MySQL.   Developed and tested websites using MEAN (MongoDB, Express, AngularJS, Node.js) stack.   Used High charts and D3.js for creating charts of payment section.   Utilized MEAN stack, REST design pattern, MVC framework and Single Page Applications framework based on AngularJS.   Performed load/endurance tests using Vugen, ALM, and controller, server monitoring, analysis using DynaTrace, UNIX putty, SQL logs and other tools and reporting the performance. Analyzing errors and exceptions using putty logs (UNIX), etc.   Created Unit test/regression test framework for working/new code.   Responsible for debugging and troubleshooting the web application. Developed, tested and debugged software tools utilized by clients and internal customers.   Coded test programs and evaluated existing engineering processes.   Designed and configured database and backend applications and programs.   Performed research to explore and identify new technological platforms. Environment: Python 2.7, Django 1.7, Cassandra, Rabbit MQ, Vugen, Soap UI, Node.JS, REST API, Bash, PyDev, Spyder, Agile Python Developer Express Scripts - St. Louis, MO November 2012 to February 2014 Roles & Responsibilities: Translated the customer requirements into design specifications and ensured that the requirements translate into software solution.   Application was based on service oriented architecture and used Python 2.5, Django 1.5, JSF 2, Spring 2, Ajax, HTML, CSS for the frontend.   Involved in creating Servlets and Java Server Pages (JSP), which route submittals to the appropriate Enterprise Java Bean (EJB) components and render retrieved information using Session Facade.   Designed the frontend of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application, mainly using Active Records.   Involved in the design, development and testing phases of application using AGILE methodology.   Developed and designed an API (RESTful Web Service).   Used Python language to develop web-based data retrieval systems.   Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask, SQL Alchemy and PostgreSQL.   Developed web sites using Django, Python, XHTML, CSS, and JavaScript. Developed and designed e-mail marketing campaigns using HTML and CSS.   Tested and

implemented applications built using Python.   Developed and tested many features for dashboard using Python, ROBOT framework, Bootstrap, CSS, and JavaScript.   Created complex dynamic HTML UI using jQuery.   Automated Regression analysis for determining fund returns based on index returns (Python/Excel).   Worked on development of SQL and stored procedures, trigger and function on MYSQL.   Developed shopping cart for Library and integrated web services to access the payment.   Used PHP language on lamp server to develop page.   Developed server based web traffic statistical analysis tool using Flask, Pandas.   Implemented and tested python based web applications interacting with MySQL.   Developed dynamic interaction page on .net MSvisualbasic-2014, using SQL developer tools.   Performed joins, group by and other operations in MapReduce using Python.   Handled importing of data from various data sources, performed transformations using Hive, MapReduce, and loaded data into HDFS.   Wrote MapReduce code to make un-structured data into semi- structured data and loaded into Hive tables.   Supported MapReduce Programs those are running on the cluster.   Executed queries using Hive and developed MapReduce jobs to analyze data.   Involved in doing AGILE (SCRUM) practices and planning of sprint attending daily agile (SCRUM) meetings and SPRINT retrospective meetings to produce quality deliverables within time. Environment: Linux, Python 2.7, Mod Python, Perl, PHP, MySQL, JavaScript, Ajax, Shell Script, HTML, CSS Python Developer Sankhya Infotech - Hyderabad, ANDHRA PRADESH, IN January 2011 to September 2012 Roles & Responsibilities: Worked with team of developers on Python applications for RISK management.   Designed the database schema for the content management system.   Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.   Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. Used PHP to write dynamically generated pages quickly.   Wrote Python routines to log into the websites and fetch data for selected options.   Performed testing using Django's Test Module. Web pages on the internet are generated by servers running LINUX.   Worked on middle tier and persistence layer. Created service and model layer classes and Value objects/POJO to hold values between java classes and database fields.   Exported/Imported data between different data sources

using SQL Server Management Studio. Maintained program libraries, users' manuals and technical documentation.   Responsible for debugging and troubleshooting the web application.   Worked PHP as a server side scripting language, for web pages.   Successfully migrated all the data to the database while the site was in production.   Implemented the validation, error handling and caching framework with Oracle Coherence cache.   Worked on scripts for setting up the discovery client with attribute data.   Worked on scripts (granite reference data scripts) for setting up adapter attributes in granite system. Environment: Python, Django, Oracle, Eclipse, MySQL, Linux, HTML, CSS, AJAX, JavaScript Python Developer Apollo Pharmaceuticals - IN October 2008 to December 2010 Roles & Responsibilities: Involved in various phases of Software Development Life Cycle (SDLC) such as requirements gathering, modelling, analysis, design and development.   Design, develop, test, deploy and maintain the website.   Designed and developed the UI of the website using HTML, CSS and JavaScript   Developed entire front-end and backend modules using Python on Django Web Framework.   Designed and developed data management system using MySQL.   Rewrite existing Python/Django module to deliver certain format of data.   Used Django Database API's to access database objects.   Wrote python scripts to parse XML documents and load the data in database.   Using Subversion version control tool to coordinate team-development.   Responsible for debugging and troubleshooting the web application.   Generated Use case diagrams, Activity flow diagrams, Class diagrams and Object diagrams in the design phase. Environment: Python, Django, Shell scripting, PL/SQL, Oracle, SVN, Quality Center, Windows, Perl Education Bachelor's in Computer Science JN Technology University 2008 Skills MYSQL (8 years), PYTHON (8 years), DJANGO (8 years), DATABASE (7 years), CSS (6 years) Additional Information   Over Eight (8+) years of referable IT experience in developing web-based applications using Python 2.7/2.6 and Django 1.8.   Expert in using Python (libraries used: Beautiful Soup, Numpy, Scipy, Matplotlib, Python-Twitter, Pandas Dataframe, Network, urllib2, MySQL dB for database connectivity and IDEs - Sublime Text, Spyder, Pycharm and Emacs.   Experience in Design, Development and support of Data warehousing solutions for Extraction, Transformation and Loading (ETL) mechanisms.   Expertise in handling web applications - UI security, logging and backend services.   Good

experience in implementing MVT/MVC architecture using Django, Flask, Webapp2 and Spring web application frameworks.   Experience in MVC frameworks like Django, Angular.JS, JavaScript, JQuery and Node.js.   Experience 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.   Good Experience in Linux Bash scripting and following PEP Guidelines in Python. Experience in monitoring, developing and transforming data using SQL Server Integration Service (SSIS) and SQL Server Analysis Service (SSAS).   Expertise on databases using ORMs/DOMs for integrating with MySQL, Postgres, Neo4J, MongoDB, and Cassandra SQLite and also writing custom queries through database connectors.   Expertise in establishing database connections for Python by configuring packages like MySQL- Python.   Expertise in Architecture, size (Capacity planning), Data modeling, implementation and support Cassandra Clusters including install, configure and upgrade DSE v3/4 (Cassandra v 1/2.x) and Ops Center v 4.x/5.x on Bare metal and Cloud including AWS (Amazon Web Services).   Extensive experience in designing MongoDB multi-shared cluster and monitoring with MMS.   Extensive experience in deploying, managing and developing MongoDB clusters.   Good experience in Hadoop technologies like Apache Spark, Scala, and SparkSQL.   Good Knowledge of web services using SOAP and REST protocols. Good knowledge of version control software - CVS and GitHub   Good experience in SALTStack and Puppet for Deployment on Multiple platforms.   Experience in deployment tools like Microsoft Azure, Heroku and Jenkins.   Experience in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.   Excellent experience with Python development under Linux OS (Debian, Ubuntu, SUSE Linux, Red Hat Linux, Fedora)   Technical Competencies: Primary Languages: Python 2.7, Core Java, C, C++ Python Libraries: Beautiful Soup, Numpy, Scipy, Matplotlib, Python-Twitter, Pandas Dataframe, Urllib2 Frameworks: Flask, Parsekit (Enigma.io), Bootstrap, Django, NodeJS, PyJamas, Pyramid, Hibernate Database: Sqlite3, MSSQL, MySQL, MongoDB, 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 ClearQuest Version Control: VSS, SVN, GitHub, Git

Name: Ashley Kennedy

Email: xcarlson@example.com

Phone: (301)970-7534