

Sr. Python Developer Sr. Python Developer Sr. Python Developer - Liberty Mutual Insurance Philadelphia, PA Work Experience Sr. Python Developer Liberty Mutual Insurance - Philadelphia, PA April 2016 to Present Responsibilities: ? Mainly used Python alongside using various libraries such as matplotlib for charts and graphs, MySQL dB for database connectivity, Python -twitter, PySide, Pickle, Pandas data frame, network, urllib2. ? Developed an embedded software data driven test automation framework in Linux/ Python. Designed test cases and authored test plans. ? Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash. ? Used Python with OpenStack, OpenERP (now ODOO), SQL Alchemy, Django CMS etc. ? Provide team guidance from agile experience/learning and day-to-day support to the scrum team. ? Configured SiteMinder web agents, Affiliate agents and RADIUS agents to provide federation of web services in the SSO environment. ? Developed website based on Django CMS. ? Responsible for gathering requirements, system analysis, design, development, testing and deployment. ? 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 Business Logic using Python on Django Web Framework. ? Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. ? Used Django Database API's to access database objects. ? Used JQuery and Ajax calls for transmitting JSON data objects between frontend and controllers. ? Involved in building database Model, APIs and Views utilizing Python, in order to build an interactive web based solution. ? Used Python based GUI components for the front end functionality such as selection criteria, ? Created test harness to enable comprehensive testing utilizing Python. ? Used Amazon Web Services (AWS) for improved efficiency of storage and fast access. ? Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. ? Involved in front end and utilized Bootstrap and Angular.js for page design. ? Created Data tables utilizing PyQt to display customer and policy information and add, delete, update customer records ? Used PyQuery for selecting particular DOM elements when parsing HTML. ? Used Wireshark, live http headers, and Fiddler

debugging proxy to debug the Flash object and help the developer create a functional component.

? Used Pandas API to put the data as time series and tabular format for easy timestamp data manipulation and retrieval. ? Having very good experience with BIG DATA ? Created Business Logic using Python to create Planning and Tracking functions ? Created UI Screens for initiation and validation. ? Worked on UI using HTML5, CSS3 and Java Scripts. ? Developed multi-threaded standalone app in Python and PHP to view performance. ? Used Pandas library for statistical Analysis. ? Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. ? Working in team of Architects and Developers to build and deploy Python Flask Peewee Linux AWS. ? Version control using GITHub. ? Involved in writing stored procedures using MySQL.

? Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met. Environment: Python, Django, Django-cms, SSO, database access, Django-cms plugins, Bootstrap, JavaScript, HTML5, CSS3, Agile, JavaScript, Eclipse, Weblogic, Git, GitHub, Junit, Agile, UML, JSP, Xml, SOA Sr. Python Developer Dell Computer Corporation - Philadelphia, PA October 2014 to March 2016 Responsibilities: ? Developed Python based API (RESTful Web Service) to track the events and perform analysis using Django. ? Developed and implemented the MVC Architectural Pattern using Struts Framework including JSP, Servlets and Action classes. ? Supported/maintained client website within the DJANGO CMS system for various website needs. ? Performed dynamic UI designing with HTML5, CSS3, less, BootstrapJs, JavaScript, JQuery, JSON and AJAX. ? Created Python and Bash tools to increase efficiency of retail management application system and operations; data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API Integration. ? Implementation of fully API based SSO architecture using CA SiteMinder, CA IDM, PingFederate, and Radiant Logic Virtual Directory Server which accomplishes end applications integration with SSO easier. ? 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. ? 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 ? Creation of Python scripts for data access and analysis (Scripts, DataFeeds, XLS, FIXML) to aid in process and system monitoring, and reporting. ? 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. ? 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 Mercedes Benz Credit Corporation - Philadelphia, PA October 2013 to September 2014 PayPal Holdings, Inc. is an American company operating a worldwide online payments system. Online money transfers serve as electronic alternatives to traditional paper methods like checks and money orders. Responsibilities: ? Created UI using JavaScript and HTML and CSS. Also involved in the analysis and design of application. ? Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript. ? Implemented business logic using Python/Django and created backend database T-SQL stored

procedures and Jasper Reports. ? Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them. ? Wrote and executed various MYSQL database queries from Python using Python -MySQL connector and MySQL dB package. ? Worked in various front end tools like HTML, CSS, JavaScript, XML, JQuery, Angular JS, and AJAX. ? Participated in the complete SDLC process and used PHP to develop website functionality. ? Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS, BIG DATA and JavaScript. ? Developed entire frontend and backend modules using Python on Django Web Framework. ? Designed and developed Use-Case, Class and Object Diagrams using UML Rational Rose for Object Oriented Analysis/Object Oriented Design techniques. ? Designed and developed data management system using MySQL. Built application logic using Python. ? Used Django APIs for database access. ? Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data. ? Angular.js is used to build efficient backend for client web application. ? Used Python to extract information from XML files. ? Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP, XML, XSD, XSLT etc. ? Participated in requirement gathering and worked closely with the architect in designing and modeling. ? Worked on development of SQL and stored procedures on MYSQL. ? Developed shopping cart for Library and integrated web services to access the payment (E-commerce) ? Designed and developed a horizontally scalable APIs using Python Flask. ? Designed Cassandra schema for the APIs. ? Implemented monitoring and established best practices around using elastic search. ? Effectively communicated with the external vendors to resolve queries. ? Used GIT for the version control. Environment: Python, JavaScript, Django Framework, CSS, SQL, MySQL, LAMP, JQuery, Adobe Dreamweaver, Apache web server. Python Developer GE Energy - Seattle, WA April 2012 to August 2013 Responsibilities: ? Coding and implementation of routing software for handling customer queries and re-routing to appropriate divisions. The customer's calls are automatically answered and place into a holding the queue until an agent becomes available. ? Involved in the code and requirement reviews of work products developed by team members. ? Involved in Application development with C++ and python on IDE

Tool Eclipse and web server Tomcat. ? Writing stored procedures in SQL Server and integrated into the application to access the customer's calls, department's data from databases and store the customer's calls, department's data into database. ? Developed, coded, tested, debugged and deployed webservice, MQ for the input and output forms on the webservices. ? Worked with team of developers on Python applications for RISK management. ? Made Django web based apps for Insurance premium calculations. ? Designed the architecture of the hardware environments and methodology of the code ? Done Job scheduling, batch-job scheduling and process control, forking and cloning of jobs and checking the status of the jobs using shell scripting. ? Used Python OS module on UNIX environment, made job cloning and forking. ? Responsible for search engine optimization to improve the visibility of the website. ? Handled all the client side validation using JavaScript. ? Involved in writing application level code to interact with APIs, Web Services using JSON. ? Used Unit Test Python library for testing many Python programs and block of codes. ? Used HTML, CSS, JQuery, JSON and Javascript for front end applications. ? Involved in testing RESTFull API like Twilio, Facebook and Twitter. ? Designed and developed data management system using MySQL. Involved in Agile Methodologies and SCRUM Process. ? Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. ? Participated in the complete SDLC process. ? Implementing and extending functionality of Cisco Cloud Services and Open stack Horizon using Python, Django, Django REST framework, JavaScript, HTML, JQuery, CSS, and Angular.JS. ? Create and enhanced existing automated solutions. ? Parse JSON and XML data using Python. ? Responsible for debugging and troubleshooting the web application. ? Implementation under Red Hat, CentOS7, Ubuntu, and Windows 7, both locally and on Cisco Cloud. ? Team working and version control using Gerrit. Environment: Python, Django, XML, Java, Apache, CSS, MySQL, JSON, DHTML, HTML, JavaScript, Shell Scripts, Gerrit, bugging, agile, Restfull, UNIX and Windows Program Analyst Bitra Net Pvt. Ltd - Denver, CO March 2009 to February 2012 Responsibilities: ? Designed the user interactive web pages as the front end part of the web application using various web technologies like HTML, JavaScript, Angular JS, JQuery and implemented CSS framework Bootstrap for better

appearance and feel. ? Developed remote integration with third party platforms by using RESTful web services. ? Developed web services that make database calls for inserts, updates, and select queries. ? Developed Unit, Integration and Performance Test Cases using Junit, Selenium and Rational Function Tester. ? Improved code reuse and performance by making effective use of various design patterns. ? Used Python library BeautifulSoup for webscrapping.ss. ? Work with team of developers on python applications for RISK management. ? Design, develop, test, deploy and maintain the website. ? Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript ? Designed and developed data management system using MySQL. ? Rewrite existing Python/Django modules 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. ? Handled all the client side validation using JavaScript. ? Expertise in writing Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers and User Defined function. ? I have also used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different we requests from multiple browser to web application. ? Used JQuery for all client side Java script manipulation. ? Created unit test/regression test framework for working/new code ? Using Subversion control tool to coordinate team-development. ? Developed entire frontend and backend modules using Python on Django Web Framework. ? Responsible for debugging and troubleshooting the web application. ? Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.

Environment: Python, Django, MySQL, Linux, HTML, XHTML, SVN, CSS, AJAX, Bugzilla, JavaScript, Apache Web Server, Django Software Developer Innovative Solutions - Reston, VA

September 2007 to February 2009 Responsibilities: ? Used Django framework to develop entire frontend and backend modules in Python ? Developed Unit test cases to check the functionality of new code by using unittest Python library. ? Designed and developed data management system using MySQL ? Involved in development of SQL and stored procedures on MySQL ? Created database by using MySQL and wrote several SQL queries to extract data from database and wrote queries for performing various CRUD operations includes create, read, update and delete

operations ? Rewrite existing Python/ Django module to deliver certain data format of data ? Experience in designing, coding and developing the application in python using Django MVC ? Used Django Database API's to access database objects. ? Designed and developed Use-Case Diagrams, Class Diagrams, Object Diagrams using UML Rational Rose for OOA/OOD techniques. ? Programmed the components using C/C++. ? Software release to internal clients by compiling the code into C/C++ libraries and implementing the APIs. ? Created UI using HTML CSS and Javascript. ? Created Servlets and Beans to implement Business Logic. ? Used SAX/DOM Parser for parsing the data to Oracle Database. ? Implemented the presentation layer with HTML, DHTML, AJAX, CSS and JavaScript. ? Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for Oracle Database. ? Designed and created backend data access modules using PL/SQL stored procedures and Oracle. ? Developed and executed User Acceptance Testing portion of test plan. ? Debugging Software for Bugs. ? Participated in the complete SDLC process. ? Developed rich user interface using CSS, HTML, JavaScript and JQuery. ? Used Django framework for application development. ? Created entire application using Python, MySQL and Linux ? Enhanced existing automated solutions, such as the Editorial Tool for automated request reporting and the Who's Who site, by adding new features and fixing bugs. ? Created database using MySQL, wrote several queries to extract/store data. ? Used Perforce for the version control. Environment: C, C++, HTML, CSS, Shell Scripting, PL/SQL, JDBC, PVCS, Oracle, Linux and Windows, Python, Django, MySQL, Windows, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Perforce Education Master's in Masters in Science Western Washington University Skills Python, Django, Django-cms, SSO, database access, Django-cms plugins, Bootstrap, JavaScript, HTML5, CSS3, Agile, JavaScript, Eclipse, Weblogic, Git, GitHub, Junit, Agile, UML, JSP, Xml, SOA Additional Information Technical Skills: Languages Python C++, Java, Shell Script, Perl, SQL, BIG DATA Python Framework Django Databases MySQL , SQL Server 2008, Oracle 10g Web Technologies AJAX, JavaScript, HTML, DHTML, XHTML, XML Versioning Tools Subversion, GIT, Perforce, SVN, CVS Web servers Apache, IIS Operating systems Linux/Unix, Windows

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