

Python Developer Python Developer Erie, PA Work Experience Python Developer Erie Insurance - Erie, PA October 2015 to Present Python & Webdeveloper Description: Erie Insurance is an American multi-line insurance company offering auto, home, commercial and life insurance. It is ranked in the Fortune magazine among the 500 largest U.S companies in the terms of revenue.

Responsibilities:

- ? Extensively worked in backend development using Python.
- ? Followed AGILE development methodology to develop the application.
- ? Designed the front end of the application using Python 2.7, HTML, CSS, AJAX, JSON and JQuery. Worked on backend of the application, mainly using Active Records.
- ? Developed entire frontend and backend modules using Python on Flask Web Framework.
- ? Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.
- ? Involved in back end development using Python with framework Flask.
- ? Involved in analysis and design of the application features.
- ? Designed and developed communication between client and server using Secured Web services.
- ? Created UI using JavaScript and HTML5/CSS.
- ? Developed & tested many features for dashboard using Python, Bootstrap, CSS, JavaScript and JQuery.
- ? Developed Restful API's using Python and Flask framework.
- ? Wrote unit test cases for testing tools.
- ? Used Graphical User Interface Testing and API driven Testing
- ? Responsible for debugging and troubleshooting the web application.
- ? Work with multiple teams to guide and influence the architecture and design of the various products
- ? Created unit test/regression test framework for working/new code
- ? Used design patterns efficiently to improve the code reusability and also used JIRA for bug tracking and issue tracking.
- ? Developed API modularizing existing python module with the help of pyYAML libraries.
- ? Developed, tested and debugged software tools utilized by clients and internal customers.
- ? Used several python libraries like wxPython, numPY and matPlotLib.
- ? Added unit tests and improved existing ones.
- ? Developed RESTful XML web service for handling AJAX requests.
- ? Created project designs utilizing MVC architecture components.
- ? Performed research to explore and identify new technological platforms
- ? Built development environment with JIRA, Stash/Git.
- ? Utilized continuous integration and automated deployments with Jenkins, Ansible and Docker

Environment: Python 2.7, Vagrant, Docker, Ansible, Jira, GIT, Confluence, C++, Java, JQuery,

IntelliJ IDEA, Linux, Eclipse, Shell Scripting, HTML5/CSS, Apache, Tornado, Cassandra, and Tableau. Python developer VISA, SFO, CA March 2014 to September 2015 Description: Django Rest Framework (DRF) Django Rest framework (DRF) is an application used for rapidly building RESTful APIs based on Django models Responsibilities: ? Used Django framework for application development. ? Running Robot Framework on Python using the ipybot runner script ? Assisted in reduction of cost and optimization of supplier selection for the CRM Applications. ? Provides a command line interface and XML based outputs for integration into existing build infrastructure by using Robot Framework ? Used Graphical User Interface Testing and API driven Testing ? Used several python libraries like wxPython, numPY and matplotlib. ? Using features that support complex data structures, first class functions by using PERL ? Experience in working on Freeform Calculation, and Lasso and Radial Selection by using Tableau ? Implementing Robot Framework using python ? Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript. ? Developed entire frontend and backend modules using Python on Django Web Framework. ? Generated property list for every application dynamically using python. ? Using Subversion version control tool to coordinate team-development. ? Responsible for debugging and troubleshooting the web application. ? Build all database mapping classes using Django models and Cassandra. ? Used Pandas API to put the data as time series and tabular format for easy timestamp data manipulation and retrieval. ? Designed and developed data management system using MySQL. ? Created Python and Bash tools to increase efficiency of call center application system and operations; data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API Integration. ? Created server monitoring daemon with Psutil, supported by Django app for analytics which I created. Also researched big data solutions with Cassandra database. Environment: Python 2.7, scipy, Pandas, Bugzilla, SVN, C++, Java, JQuery, MySQL, Linux, Eclipse, Shell Scripting, HTML5/CSS. Red hat Linux, Apache, RUBY, Cassandra, Perl, and Tableau Python developer BCBS, TN September 2013 to February 2014 Description: The Blue Cross Blue Shield is a federation of 36 separate United States health insurance organizations and companies, providing health insurance to more than 106million Americans. Responsibilities: ?

Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript.

- ? Implemented business logic using Python/Django.
- ? Using Amazon SQS to queue up work to run asynchronously on distributed Amazon EC2 nodes.
- ? 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.
- ? Experience in ability to package code as reusable modules by using PERL
- ? Experience in working with Cisco Technologies UCS, and network management devices.
- ? Exported/Imported data between different data sources using SQL Server Management Studio.
- ? Maintained program libraries, users' manuals and technical documentation.
- ? Experience in working with Drag and Drop Calculation, and Geographic Search by using Tableau
- ? Managed large datasets using Panda data frames and MySQL.
- ? Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team
- ? Build SQL queries for performing various CRUD operations like create, update, read and delete.
- ? Work with team of developers on python applications for RISK management.
- ? Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
- ? Used Pandas library for statistics Analysis.
- ? Created most important Business Rules which are useful for the scope of project and needs of customers.
- ? Designed the architecture of the hardware environments and methodology of the code
- ? Wrote and executed various MYSQL database queries from python using Python-MYSQL connector and MySQL dB package.
- ? Thorough knowledge in various front end tools like HTML, DHTML, CSS, JavaScript, XML, JQuery, Angular JS, and AJAX
- ? Hands-on experiences in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits.

Environment: Python 2.7, Django, HTML5/CSS, UNIX, MS SQL Server 2013, T-SQL, Jasper, Reports, JavaScript, Eclipse, Linux, Shell Scripting, RESTful, MVC3, Git, Perl, Tableau Python Developer American Airline - Dallas, TX June 2012 to August 2013

Description: Software Development Life Cycle (SDLC)

American Airlines is the world's largest airline when measured by fleet size and revenue. It has an extensive international and domestic network with nearly 350 destinations.

Responsibilities: ?

Responsible for gathering requirements, system analysis, design, development, testing and deployment. ? Participated in the complete SDLC process. ? Wrote Python modules to extract/load asset data from the MySQL source database. ? Designed and implemented a dedicated MySQL database server to drive the web apps and report on daily progress. ? AzureStorage Planning - Migrated Blob Storage for document and media file, Table storage for structured datasets, Queue storage for reliable messaging for workflow processing and file storage to share file data. ? Convert VMware(vmdk) to Azure (vhd) using Microsoft Virtual Machine Converter(MVMC). ? Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. ? Experience in doing automatic data-typing and automatic memory management by using PERL ? Created entire application using Python, Django, MySQL and Linux. ? Enhanced existing automated solutions, such as the Inquiry Tool for automated Asset Department reporting and added new features and fixed bugs. ? Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page. ? Programming in Python as well as Perl ? Improved performance by using more modularized approach and using more in built methods. ? Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. ? Performed data manipulation/storage for incoming test data using lxml /etree libraries. ? Developed API modularizing existing python module with the help of pyyaml libraries. ? Wrote unit test cases for testing tools. ? Created database using MySQL, wrote several queries to extract/store data. ? Coded test programs and evaluated existing engineering processes. ? Used Spring ORM to integrate Spring Framework with hibernate ? Designed and configured database and back end applications and programs. Environment: Python 2.7, Django 1.4, Puppet Rspec, Jenkins, Grafana/Graphite, Netezza, MySQL, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Cassandra, Perl. Python Developer iMation - IN March 2009 to December 2011 Responsibilities: ? Developed entire frontend and backend modules using Python on Django Web Framework. ? Work with team of developers on python applications for RISK management. ? Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript ? Made Django web based apps for Insurance premium calculations. ? Generated

property list for every application dynamically using Python. ? Rewrite existing Java, C++ application in Python. ? Used Django APIs for database access. ? Used Python to extract weekly hotel availability information from XML files. ? Used Pandas library for statistical Analysis. ? Used Apache Couchdb (NoSQL) in AWS Linux instance in parallel to RDS MySQL to store and analyze job market info. ? Developed the required XML Schema documents and implemented the framework for parsing XML documents. ? Involved in Unit testing and Integration testing. ? Developed ColdFusion Components, custom tags and modified CF Objects. ? Designed the architecture of the hardware environments and methodology of the code. ? Involved in entire lifecycle of the projects including Design, Development, and Deployment ? Wrote AJAX framework to transform Datasets and Datatables into HTTP-serializable JSON strings. ? Issues pertaining to Real time data being read from RabbitMQ into Postgres and Cassandra. ? Build SQL, NO SQL queries implementing functions, packages, views, triggers, and tables. Environment: Python, Django 1.3, MySQL, Linux, HTML, XHTML, CSS, AJAX, JavaScript, and Apache Web Server, NO SQL. Education Bachelors of Aeronautical Engineering in Aeronautical Engineering JNTU

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