Python & Webdeveloper Python & Webdeveloper Pennsylvania Work Experience Python & Webdeveloper Erie Insurance October 2015 to Present Python & Webdeveloper Responsibilities: ? Extensively worked in backend development using Python.   ? Followed AGILEdevelopment methodology to develop the application. ? Designed the front end of the application using Python 2.7, HTML, CSS, AJAX, JSON andJQuery. 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. ? DevelopedRESTful 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 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 supportcomplex 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 east 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 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 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. ? 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, MySQL, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Cassandra, Perl. Python Developer iMation 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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