

Python Developer Python Developer Python Developer - Northern Trust Corporation * Senior Software Professional with 7 Years of experience in Analysis, Design, Development, Bug Fixing, Support, Management and Implementation of various stand-alone, client-server enterprise applications. * Experience as a Web Application Developer and coding using Python, Django, Java, Spring. * Good Experience with Django, a high-level Python Web framework. * Experienced with full Software Development Life Cycle (SDLC), architecting scalable platforms, object oriented programming, database design and agile methodologies. * 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. * Experienced in LAMP (Linux, Apache, MySQL, and Python) Architecture. * Experienced in developing web-based applications using Python, Django, Java, XML, CSS, HTML, DHTML and JavaScript. * Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript. * 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 Design, code, and debug operations, reporting, data analysis and web applications utilizing Python. * Proficient in Front end development experience using HTML, XML, CSS, JQuery, JSON, JavaScript, CSS and Bootstrap. * Experience with Web Development, Web Services, Python and the Django framework. * Experience 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. * Experience configuring and developing with different Database servers including MySQL, MSSQL, Oracle and Mongo Db. And good knowledge in WAMP and LAMP environments. * Experience includes Database Design, Analysis and Development with MySQL, Oracle, SQL Server. * Proficient with Apache Web Server 2.0, MySQL 5, CVS, UNIX Shell Script, CSS, XML, Firefox 3.5, IE 6 Browser Compatibility Issues, IIS and Linux. * Hands on experience programming with C++ PYTHON, DJANGO and AJAX technologies. * Proficient in using IBM Clear Case, Subversion (SVN), VSS, GIT for Version controlling. * Experienced in Agile Methodologies and

SCRUM Process. * Experience with Unit testing/ Test driven Development (TDD), Load Testing. * Experience in using UNIX shell Scripts for automating batch programs. * Strong Knowledge of web application security and access control. * Excellent debugging, problem solving, optimization and testing skills. * Excellent written and oral communication skills with results-oriented attitude. And highly motivated, dedicated, quick learner and proven ability to build and manage a team and work individually. Work Experience Python Developer Northern Trust Corporation - Chicago, IL February 2018 to Present Responsibilities: * Analyzed and Designed application and created UI using JavaScript and HTML5/CSS. Implemented business logic using Python/Django. * Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript. * 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. * Exported/Imported data between different data sources using SQL Server Management Studio. * Maintained program libraries, users' manuals and technical documentation. * Managed large datasets using Panda data frames and MySQL. * 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 experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis and audits. * Built various graphs for business decision-making using Python Matplotlib library. * Fetched twitter feeds for certain important keyword using python-twitter library. * Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. * Deployed with Fabric on AWS on EC2 instance with Postgres RDS and S3 file storage. * 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. * Created most important Business Rules which are useful for the scope of project and needs of customers * 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, Implementation, Testing and support. Created project designs utilizing MVC architecture components. * Used Pandas library for statistics Analysis and added support for open stock. * 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 * Experienced in Agile Methodologies and SCRUM Process and added unit tests and improved existing ones. * Worked in development of applications especially in UNIX environment and familiar with all of its commands. * Refactored existing project to make it more Restful and thread-safe. * Designed Restful XML web service for handling AJAX requests.

Environment: Python 2.7, Django, HTML5/CSS, SVN, UNIX, MS SQL Server 2013, T-SQL, Jasper, Reports, JavaScript, Eclipse, Linux, Shell Scripting, RESTful, MVC3 Amazon AWS S3 CLI, Amazon BotoPil. Python Developer Dun& Bradstreet - Malibu, CA April 2016 to January 2018 Responsibilities: * Responsible for gathering requirements, system analysis, design, development, testing and deployment. * Participated in the complete SDLC process and developed user interface using CSS, HTML, JavaScript and JQuery. * Wrote Python modules to extract/load asset data from the MySQL source database. * Designed and implemented a dedicated MYSQL database server to drive the webapps and report on daily progress. * Developed views and templates with Python and Django'sview controller and templating language to create a user-friendly website interface. * Used Django framework for application development. * 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. * Created entire application using Python, Django, MySQL and Linux. Programming in Python as well as Perl. * Created most important Business Rules which are useful for the scope of project and needs of customers. * 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. Wrote unit test cases for testing tools. * Performed data manipulation/storage for incoming test data using lxml /etree libraries. * Developed API modularizing existing python module with the

help of pyyaml libraries. * Created database using MySQL, wrote several queries to extract/store data. * Coded test programs and evaluated existing engineering processes. * Designed and configured database and back end applications and programs. * Performed research to explore and identify new technological platforms. * Collaborated with internal teams to convert end user feedback into meaningful and improved solutions. Environment: Python 2.7, Django 1.4, rspec-puppet, Jenkins, Grafana/Graphite, MySQL, Linux, HTML, CSS, JQuery, JavaScript, Apache, Linux, Git, Perl, Cassandra. Python Developer Morrison Healthcare - Atlanta, GA February 2014 to March 2016 Responsibilities: * Used Django framework for application development. * Developed user interface using, CSS, HTML, JavaScript and JQuery& Ruby on rails. * Assisted in reduction of cost and optimization of supplier selection for the CRM Applications. * 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 several python libraries like wxPython, numPY and matplotlib. * Involved in environment, code installation as well as the SVN implementation. * 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. * Creating unit test/regression test framework for working/new code * This project also used other technologies like JQuery for java script manipulations, bootstrap for the front-end html layout. * 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 back end applications and programs. * Performed research to explore and identify new technological platforms. * Collaborated with internal teams to convert end user feedback into meaningful and improved solutions. * Resolved ongoing problems and accurately documented progress of a project. Environment: Python, Scipy, Pandas, BugZilla, SVN, C++, Java, JQuery, MySQL, Linux, Eclipse, Shell Scripting, HTML5/CSS, Apache RUBY, Cassandra, Red hat Linux. Python Developer Red cherry Global - Irwin, CA June 2012 to January 2014 Responsibilities: *

Design, develop, test, deploy and maintain the website. * Designed and developed the UI of the website using HTML, XHTML, AJAX, 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 Java, C++ application in Python * Wrote python scripts to parse XML documents and load the data in database. * Generated property list for every application dynamically using python. * Created unit test/regression test framework for working/new code. * Made Django web based apps for Insurance premium calculations. * Designed the architecture of the hardware environments and methodology of the code. * Used Pandas library for statistical Analysis. * Used Numpy for Numerical analysis for Insurance premium.

* Used Subversion version control tool to coordinate team-development. * Responsible for debugging and troubleshooting the web application. * Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. * Developed application logic using Python, Java script, Java. * Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript. * Used Java Server Pages for content layout and presentation. * Created Data layer in MYSQL and Oracle Database. * Extracted and loaded data using Python scripts and PL/SQL packages * Debugging and testing of the applications

Environment: Python, Django, Java, J2EE, HTML, XHTML, CSS, AJAX, JavaScript, MySQL, PL/SQL, JDBC, Oracle, Unix Shell Scripting, Red Hat Linux, WebLogic Application Server. Skills CSS (7 years), DJANGO (7 years), HTML (7 years), LINUX (7 years), PYTHON (7 years) Additional Information TECHNICAL SUMMARY: Languages Python, Java, Perl, SQL and PL/SQL Web Technologies HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, KML, AngularJS Frameworks Django, Flask, Pyramid, Spring and CSS Bootstrap Version Control Git, GitHub, Mercurial, Perforce, SVN, CVS Application servers Apache Tomcat, IIS, Nginix, JBoss, WebLogic, WebSphere Databases Oracle, My SQL, Apache Cassandra, MongoDB IDE's/ Development Tools NetBeans, Eclipse, PyCharm, and Sublime Text. Deployment Tools Heroku, Jenkins Protocols TCP/IP, HTTP/HTTPS, SOAP Operating Systems Windows, Red hat Linux, Ubuntu, and FreeBSD Issue Trackers Bugzilla, JIRA and Crucible

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