Python Developer Python Developer Python Developer - Pioneer Hi-Bred International, Inc West Des Moines, IA   5 years of experience as a Python Developer, proficient coder in multiple languages and environments including Python, C, C++, JavaScript and SQL.   Worked on several standard python packages like Numpy, Pickle, PySide, Scipy, wxPython, PyTables etc.   Driven to architect Big Data solutions on multiple platforms using data analytics.   Developed various Python scripts to generate reports, send FIX messages (FIX Simulator), SOAP requests, TCP/IP programming and multiprocessing jobs.   Good Experience in Working on Restful Api's.   Good experience in developing web applications and implementing Model View Control (MVC) architecture using server side applications like Django, Flask and Pyramid.   Experience in working on BDPaaS (Big Data Platform as a Service).   Expertise in working with different databases like Microsoft SQL Server, Oracle, MySQL, PostgreSQL and Good knowledge in using NoSQL databases MongoDB   Expertise in working on data migration tools like Alembic.   Proficient in developing complex SQL queries, Stored Procedures, Functions, Packages along with performing DDL and DML operations on the database.   Hands on Experience in Data mining and Data warehousing using ETL Tools.   Excellent working knowledge in UNIX and Linux shell environments using command line utilities.   Application Stress tester, created and stress tested stand-alone, web-applications and generated graph reports.   Attentive to cyber security and data protection. Motivated, proactive, innovative problem solver with excellent analytical, organizational, interpersonal, communication and written skills. Excellent team player, quick learner, keens to learn and implement new IT technologies.   Strong knowledge of Data Structures and Algorithms, Object Oriented Analysis, machine learning and software design patterns.   Good Experience in Working on Geospatial Data.   Good Experience in working with Microsoft Team city and Octopus for continuous integration and deployment.   Expertise in Production support. Provided first, second and third level support to different organizations. Used pdb, gdb and other debugging tools and deployed production hot fixes.   Knowledge of deployment tools using Heroku, Jenkins, pylint, cppCheck and Coverity.   Expert at version control systems like Git, GitHub, svn and cvs. Migrated repos from svn to GitHub.   Experience in documenting the build and entire deployment process

Good Experience in working on Amazon Web Services.   Good Experience in Collaborating and working with Offshore resources.   Experience with Agile, Scrum and Waterfall methodologies.   Used ticketing systems like Jira, Bugzilla and other proprietary tools.   Experience troubleshooting software and automation issues with assistance of testing engineers   Familiarity with development best practices such as code reviews, unit testing, system integration testing (SIT) and user acceptance testing(UAT).   Highly motivated, quality minded developer, with proven ability to deliver applications against tight deadlines.   Possess good interpersonal, analytical presentation Skills, ability to work in Self-managed and Team environments.   Performed code reviews and implemented best Pythonic programming practices   Experience in writing test scripts, test cases, test specifications and test coverage.   Good experience in handling errors/exceptions and debugging the issues in large scale applications. Work Experience Python Developer Pioneer Hi-Bred International, Inc March 2017 to Present Responsibilities: Developed Restful APIs using Python.   Analyzed complex user requirements, procedures, and problems to improve existing System design.   Helping automate data analysis by automating pre-processing and incorporating helper functions into API codebase.   Used SQL toolkits like SQLAlchemy and Geo Alchemy. Extensively worked on Geospatial data.   Developed end to end application components involving business layer, persistence layer, database and web services layer.   Documented Detailed design within a given project structure.   Developed code for http Api calls like (GET, PUT, POST, DELETE)   Worked on Ingestion Process of geospatial data using ETL techniques.   Experience in working and coordinating with Offshore resources.   Used Analytical Python Libraries like Pandas and Numpy to work on Data Manipulations.   Successfully coordinated and developed the deployment process.   Worked on .csv, xml, .xlsx, and json files.   Documented the entire build and deployment process including detailed step-by-step instructions.   Worked on developing tables using alembic a data migration tool used for SQLAlchemy.   Extensively worked on Microsoft Team city and Octopus for Continuous Integration and Deployment.   Wrote python scripts to parse XML and CSV documents to load the data in database.   Extensively worked on AWS Cloud platform and its features including EC2, VPC, RDS, Api Gateway, Cloud Watch, Cloud Formation, Step

Functions, IAM, S3, SES, SNS, Batch, Lambda. Created SNS notifications and assigned ARN to S3 for object loss notifications Working knowledge in AWS Lambda for Server-less computing using Python Working knowledge in Api Gateway for creating Api keys and endpoints. Developed cloud formation scripts to create and update stacks. Generated property list for every application dynamically using python. Worked on Defect Debugging. Creating unit test/regression test framework for working/new code. Debugging and testing of the applications & fine-tuning performance. Provided maintenance support in production environment. Followed Agile and Scrum Methodologies. Used Jira ticketing system. Environment: Python, HTML/CSS, PostgreSQL 9.6, ETL, Team city, Octopus, Alembic, IBM, AWS, Oracle, PL/SQL, Unix Shell Scripting, Red Hat Linux, WebLogic Application Server. Python Developer Bloomberg LP - New York, NY December 2015 to December 2016 Responsibilities: Developed application logic using Python, Java script, Java, C++ Used JMS for updating Mailing plans and tracking them. Used Java Server Pages for content layout and presentation. Created Data layer in MYSQL. Successfully coordinated and developed the deployment process Documented the entire build and deployment process including detailed step-by-step instructions Supported multiple parallel projects by creating processes & procedures for reusing existing code Extracted and loaded data using Python scripts and PL/SQL packages Supported Java application for Media portal management. Added Buy side and Sell side interfaces to route and receive orders over FIX as TCP/IP packets on a given port. Used FIX Simulator behind the scenes. Migrated C and C++ tasks to Python. Generated SWIG interfaces for tasks that are good to be left in C++. Interacted with Python using SWIG interfaces. Wrote python scripts to parse XML documents and load the data in database. Generated property list for every application dynamically using python. Creating unit test/regression test framework for working/new code Debugging and testing of the applications & fine-tuning performance. Provided maintenance support in production environment. Developed exhaustive SQL Queries to find differences in datasets to find out whether rolled out software has fixed issues. Developed scripts to migrate data from proprietary database to MySQL. Followed Agile and Scrum Methodologies. Used Jira and other proprietary ticketing systems. Environment:

Java, Python, JavaScript, HTML/CSS, MySQL, PL/SQL, JDBC, Unix Shell Scripting, Red Hat Linux, WebLogic Application Server. Software Developer in Python Camirine - IN June 2013 to June 2015 Responsibilities: Worked with the Stakeholders, gathered requirements developed High level design Detail design documents. Developed UI using HTML, AJAX, JavaScript and jQuery and jQueryUI. Re-engineered various modules for implementing changes and creating efficient system. Developed rich UI web application using JavaScript libraries like jQueryUI, data grid, jscolor, high charts. Designed and developed components using Python. Implemented code in python to retrieve and manipulate data. Implemented database access using Django ORM. Used MySQL as backend database and MySQL dB of python as database connector to interact with MySQL server. Used Restful APIs to access data from different suppliers. Support the scripts configuration, testing, execution, deployment and run monitoring and metering. Used Python and Django creating graphics, XML processing of documents, data exchange and business logic implementation between servers. Used Restful API's to gather network traffic data from Servers. Supported Apache Tomcat web server on Linux Platform. Developed and executed User Acceptance Testing portion of test plan. Debugging Software for Bugs Environment: Python, C++, JavaScript, MySQL, Shell Scripting, PL/SQL, Unix, Linux, Agile, pylint, Jenkins. Education Bachelor's in Computer Science Jawaharlal Nehru Technological University Master's in Information Technology Colorado Technical University Skills DATABASE (4 years), HTML (4 years), PYTHON (4 years), SQL (4 years), C++ (3 years) Additional Information Technical Skills: Programming Languages Python, C, C++, JavaScript. Operating Systems Ubuntu, Windows 10/XP/2000/Vista/7, RedHatlinux, Windows server 2008,2012. Python Libraries Python, Django, Flask, Beautiful Soup, SQLAlchemy, GeoAlchemy, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Pandas, Numpy, PySide, Scipy, wxPython, PyTables, Development tools Sublime Text, Eclipse, PyCharm, emacs, gvim, Notepad++, OpenGrok, Jenkins, Coverity, pylint, pdb, gdb, cpp check Databases Microsoft SQL Server, PostgreSQL, Oracle, MySQL, MS Access, Mongo Db and NoSQL database Cloud Technologies AmazonWebServices(S3,CloudWatch,APIGateway,Step Functions,RDS,CloudFormation,Lambda,EC2,SES,SNS,Batch) Big Data Hive,PIG,PySpark,Spark

Version Controls Git, GitHub, cvs, svn,   Methodologies Agile, SCRUM and Waterfall.

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