

Jessica Claire

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PROFESSIONAL SUMMARY

- Around 3+ years of experience as a Python Developer, a proficient coder in multiple languages and environments including Python, Scala, 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.
- Experience in developing single-page applications using AngularJS, HTML5 and CSS3.
- 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.
- Good understanding on Spark architecture and its components.
- Strong knowledge of Data Structures and Algorithms, Object Oriented Analysis, machine learning and software design patterns.
- Good Experience in Working on Geospatial Data.
- Working Experience using AWS tools like EMR, EC2, S3 and Lambda.
- Developed API endpoints in Scala used functional programming, data aggregation with pagination.
- Experience working on Google Cloud Platform
- Good Experience in working with Jenkins and Artifactory 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.
- Experience in designing and constructing the OBIEE Repository using the Semantic Model.
- Good Experience in Collaborating and working with offshore resources.
- Experienced in WAMP (Windows, Apache, MYSQL and Python) and LAMP (Linux, Apache, MySQL and Python) Architecture.
- 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.
- Extensive usage of IDE tools like Pycharm and Eclipse, and development tools like git, Bitbucket, SVN, Tibco(console).

SKILLS

- **Programming** : Python, C, C++, Java script
- **Python Libraries** : Pandas, Numpy, Pyside, Scipy, wxPython, PyTables,
- **Operating Systems**: Ubuntu, Windows 10/XP/2000/Vista/7, RedHatlinux, Windows server 2008, 2012.
- **Development tools** : Sublime Text, Eclipse, PyCharm, emacs, gvim, Notepad++, OpenGrok, Jenkins, Coverity, pylint.
- **Databases** : Microsoft SQL Server, PostgreSQL, Oracle, MySQL, MS Access, Mongo Db and NoSQL database.
- **Cloud Technologies** : AWS (S3, CloudWatch, APIGateway,Step Functions, RDS, CloudFormation, Lambda, EC2, SES, SNS, Batch)
- **Big Data** : Hive, Pig, PySpark, Spark
- **Version Control** : Git, GitHub, CVS, SVN.
- **Methodologies** : Agile, Scrum and Waterfall.

WORK HISTORY

Software Engineer , 11/2018 - Current

Hcl Technologies Ltd. – Franklin, GA

- Design and Development of sophisticated data driven software platforms using Python, Java and Scala languages
- Migrated SP's from Netezza to Cloud using Scala Spark, Performed analysis and presented results using SQL, Excel.
- Imported, exported and manipulated large data sets in multi-million-row databases under tight deadlines, Wrote and automated scripts to increase departmental efficiency and automate repeatable tasks.
- Collaborated with project managers, legal counsel, and other team members to gather data for projects.
- Collaborating on software projects with product design and backend aspects.
- Analyzing data to effectively coordinate the installation of new systems or the modification of existing systems.
- Managing the software development lifecycle,Monitoring system performance,Shaping the future of our systems.
- Worked on Developing Airflow Dags for Job monitoring and Scheduled jobs to run everyday using python2 and Python3.
- Used operators like Python Operator, Bash operator, Ansible operator to run spark commands using shell scripts.
- Testing software development methodology in an agile environment and fixing bugs.
- Working on technologies like Hadoop, Hive, Pig, Oozie, Map Reduce, Spark, Sqoop, Kafka, Flume, etc for data quality analysis and for monitoring production jobs.
- Extensive Usage of Bitbucket to access code and usage of git for committing changes to bitbucket, creating branches.
- Usage of infrastructure automation technologies like Docker, Vagrant, etc.
- Building jars for production and deployment in production servers using automation technologies like Jenkins CI/CD, Maven, etc.
- Designing, building, and automating solutions utilizing AWS services such as EC2, S3, RDS, Route 53, Lambda, IAM, ECS and API Gateway.
- Developed end to end application components involving business layer, persistence layer, and 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, Boto3, Scipy and Numpy to work on Data Manipulations.
- Successfully coordinated and developed the deployment process.
- Worked on .csv, xml, .xlsx, and json files.
- Worked Extensively on Python libraries like Pandas for reading .csv files and Boto3 libraries for s3 access.
- Experience Working on ORM toolkits like SQLAlchemy and GeoAlchemy.
- Performed development and test of system enhancements which include SQL Jobs and SQL queries.
- Used Airflow for scheduling jobs and developed airflow dags using Python
- Developed and executed test scripts using Selenium Webdriver and analyzed test results.
- 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 Jenkins and Artifactory for Continuous Integration and Deployment.
- Wrote python scripts to parse XML and CSV documents to load the data in the database.
- Extensively worked on spark, Hive for DQC's and validations.
- Created SNS notifications and assigned ARN to S3 for object loss notifications and created bucket policies as a part of cost reduction.
- 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.
- Creating unit test/regression test framework for working/new code.
- Debugging and testing of the applications & fine-tuning performance. Provided maintenance support in the production environment.
- Followed Agile and Scrum Methodologies. Used Jira ticketing system

Python Developer, 02/2017 - 10/2018

Motion Recruitment – Grand Rapids, MI

- 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 GeoAlchemy.
- Extensively worked on Geospatial data.
- Developed end to end application components involving business layer, persistence layer, and 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.
- Usage of SVN and Bitbucket for accessing code using IntelliJ
- Worked Extensively on Python libraries like Pandas for reading .csv files
- Experience Working on ORM toolkits like SQLAlchemy and GeoAlchemy.
- Performed development and test of system enhancements which include SQL Jobs and SQL queries.
- Used Selenium Grid to run the scripts in multiple platforms and browsers.
- Developed and executed test scripts using Selenium Web Driver and analyzed test results.
- 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
- Identifying and applying necessary changes to classify bank statements rules in Google's cloud-based IDE (Cider) for automatic classifications using Python.
- 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.

Python Developer, 02/2015 - 11/2015

Motion Recruitment – Groveport, OH

- Developed application logic using Python, Java script, Java
- 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.
- Analyzed the SQL scripts and designed the solution to implement using pySpark.
- Worked on loading CSV/TXT/DAT files using Scala in Spark Framework.
- Used SQL to extract the customer data from the google Universal Ticketing System (GUTS) for monthly and quarterly revenue analysis.
- Implemented Spark sample programs in python using pySpark.
- Automated Docker container backups and deployed Apache Networking: HTTP, applications using Ansible
- Generated property list for every application dynamically using python.
- Managed the configurations of multiple servers using Ansible.
- Created/modified the OBIEE metadata repository including the physical, business model, and presentation areas.
- Designed and Developed User Interface using front-end technologies like HTML, CSS, JavaScript, JQuery, AngularJS, Bootstrap and JSON.
- 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.
- Involved in creating Shell scripts to simplify the execution of all other scripts (Pig, Hive, Sqoop, Impala and MapReduce) and move the data inside and outside of HDFS.
- Developed scripts to migrate data from proprietary database to MySQL.
- Followed Agile and Scrum Methodologies. Used Jira and other proprietary ticketing systems.

EDUCATION

Master of Science: Computer And Information Systems Security, 07/2018

University of Cumberland - Kentucky

Bachelor of Science: Chemical Engineering, 04/2015

Vignan University of Science And Technology - Guntur