Team Liaison & Senior Python Developer Team Liaison & Senior Python Developer Katy, TX   7 years' experience in Python and database, data acquisition, data wrangling and management   2 years' experience in developing large scale software using Python and cloud   Ph. D. in Materials Engineering, strong critical thinking and problem solving skills Work Experience Team Liaison & Senior Python Developer Anadarko Petroleum Corporation - Houston, TX January 2019 to Present Develop distributed petro-physics software packages on cloud   Developed parallel, auto-scaling cloud environment to match production workload demands with Apache beam, cloud function etc.   Enhanced the internal Python prototype modules to be usable, secure, and maintainable.   Build Docker images and deploy them on GCP Kubernetes   Developed enterprise level well log QC pipeline using Python and Google Cloud Platform   Designed cloud database to manage well logs and SEGY data   Developed web ui with Python and Flask Data Engineer DATAVEDIK - Houston, TX March 2018 to January 2019 Develop geophysical and geological pipeline for POCs using python.   Developed data management modules to parse, wrangle and load well logs data to SQL server database using Python and SQL server stored procedure   Scaled up and deploy Python modules on Google Cloud Platform   Implemented various machine leaning algorithms using Python in petroleum engineering applications, such as ROP prediction, Gamma ray prediction and production prediction. Staff Geophysicist CGG - Houston, TX October 2012 to May 2017 Geophysical data processing   Developed Python scripts to parse, wrangle and analyze geophysics data   Designed machine learning algorithms on seismic data processing. Performed feature extraction and tested deep learning algorithms such as deep neural networks for geological structure (faults, channels and salt boundaries) recognition. Education Ph.D. in Materials Engineering University of Rochester 2012 Skills API, DOCKER, HTML, PYTHON, SQL SERVER, SQL, APACHE, UNIT TEST, INTEGRATION, SEISMIC, GCP, Git, Spark Additional Information SKILLS   Strong programming languages in Python, and SQL Server   Experience with distributed and parallel systems, MapR, Spark, Apache beam, GCP composer Celery, Dataflow, and cloud function   Test-driven development, unit test and integration tests   Expertise in cloud environments, restful API, airflow, Apache beam, containerized environments (Docker, Kubernetes)

Excellent work-item tracking habits, GitLab, including CI / CD   Hands on experience with various data format, well logs, seismic data, SEGY, html and WITSML

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