## EBRAHIM GHANBARI

#### **Software Developer**

## **WORK EXPERIENCE**

#### Software Developer

#### Weatherford Canada Ltd.

Sep 2019 - Present

♥ Calgary, Alberta

- Working with Weatherford ForSite development team to improve and add new features to the software.
- Working closely with engineers to apply Al-based algorithms for anomaly detection, predictive analytic, and production optimization of oil and gas wells
- Developed "String Analysis" software to calculate torque and drag for running casing/tubing and setting mechanical tools.

#### **Application Specialist**

#### Weatherford Canada Ltd.

M Oct 2016 - Sep 2019

- Calgary, Alberta
- Contributed in various R&D projects including new design for Flow Control Device (FCD) and Ball Drop Frac Sleeve that resulted in improved performances and 76% and 18% manufacturing cost saving, respectively
- Designed quality testing program for Coil Frac Sleeve and validated the results with CFD
- Organized several "Well Completion School" for prospective and existing clients to promote Weatherford well completion products.

#### Application Specialist - Data Analyst

#### Weatherford Canada Ltd.s

m Oct 2014 - Oct 2016

- ♥ Calgary, Alberta
- Developed Weatherford ATS alarming system based on data gathered from fiber instrumentation to improve pump efficiencies.
- Deployed a robust anomaly detection algorithm to filter out invalid data.
- Optimized client and Weatherford database to increase efficiency.

#### Mentor - Part-Time

## **Lighthouse Labs**

Sep 2020 - Present

♥ Calgary, Alberta

• Helped and mentored students of Web Development Bootcamp with JavaScript and React projects.

## SELECTED PROJECT EXPERIENCE



#### **Weatherford ForSite Features**

Production optimization platform to enhance oil and gas production

**Environments:** Python | React | AWS | Storybook | Jest | Bootstrap | Sass



#### **Weatherford String Analysis**

A software to calculate torque and drag

Environments: Python | tkinter



#### Cnergreen.ca

Single page business website for a startup

Environments: Express | Node.js | React | PostgreSQL | Bootstrap |
Sass

### **SUMMARY**

A highly motivated software developer with more than 6 years of experience in oil and gas industry. Able to develop codes and add functionalities to existing software and provide data driven insights and recommendations.

### **EDUCATION**

# Diploma, Web Development Lighthouse Labs

# 2020

Calgary, Alberta

## Msc., Petroleum Engineering University of Alberta

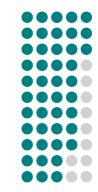
**2012 - 2014** 

**♀** Edmonton, Alberta

Published several paper with more than 600 citations

## **TECHNICAL STRENGTH**

Javascript
Python
ReactJS
AWS
Node JS
Machine learning
Sass & Bootstrap
NOSQL / SQL
Apache
Test Driven Development
Ruby on Rails



## **SELECTED COURSES**

- Complete Data Science Bootcamp, Udemy
- The Python Mega Course: Build 10 Real World Applications, Udemy
- Learn and Understand NodeJS, Udemy
- Machine Learning, Kaggle
- Python and Django Full Stack Web Developer, Udemy

## **VOLUNTEERING**



#### Dubasov

Assisted children and teenagers with Down Syndrome to participate in different activities



#### **Prairie Sky**

Helped kids with disabilities and Down Syndrome to learn horse back riding