

EBRAHIM GHANBARI

Software Developer

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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 AI-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.

 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

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

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