EBRAHIM GHANBARI

Software Developer

@ ghanbari@ualberta.ca   📞 (403) 703 3283   📍 Calgary, Alberta   ⌂ https://github.com/EbrahimGhanbari
in www.linkedin.com/in/ebrahim-ghanbari

WORK EXPERIENCE

Software Developer
Weatherford Canada Ltd.

📅 Sep 2019 - Present   📍 Calgary, Alberta

- Comprehensive knowledge of Front-End and Back-End web development technologies including **React**, **JavaScript**, **Python**, **NodeJS**, **Django**, **CSS**, **AWS**.
- Work with Weatherford ForSite development team to design and test software features and improvements independently and in collaboration with the team.
- Work closely with engineers to apply AI-based algorithms for anomaly detection, predictive analytic, and production optimization in AWS environment.

Application Specialist
Weatherford Canada Ltd.

📅 Oct 2016 - Sep 2019   📍 Calgary, Alberta

- Developed "String Analysis" software to calculate torque and drag for running casing/tubing and setting mechanical tools using **Python** and **tkinter**.
- Designed and developed web-based maps and conducted data creation, data QA/QC and data analysis to assist with full field development and well pad siting using **ArcGIS** and **Arcpy**.
- Designed and implemented automated scripts and workflows to facilitate the movement of **SQL** data between systems and data sources .

Application Specialist - Data Analyst
Weatherford Canada Ltd.

📅 Oct 2014 - Oct 2016   📍 Calgary, Alberta

- Developed Weatherford ATS alarming system based on data gathered from fiber instrumentation to improve pump efficiencies using **PHP**, **SQL** and **JavaScript**.
- Deployed a robust anomaly detection algorithm to filter out invalid data using **Python**.
- Optimized client and Weatherford **SQL** 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 specialized in developing scalable and well-documented codes. I enjoy working collaboratively but can also work independently.

EDUCATION

Msc., Petroleum Engineering
University of Alberta

📅 2014   📍 Edmonton, Alberta

- Published several papers with more than **600 citations**

Bsc., Computer Science
University of Amirkabir

📅 2012   📍 Tehran, Iran

Bsc., Petroleum Engineering
University of Amirkabir

📅 2010   📍 Tehran, Iran

TECHNICAL STRENGTH

JavaScript | Python | Ruby on Rails | ReactJS | Django | Sass & Bootstrap | AWS | Node JS | RESTfull API | NOSQL / SQL | CI/CD | Docker | Apache | Test Driven Development | OOP

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