



SAKHALIN ENERGY

LIMITED LIABILITY COMPANY

35 Dzerzhinskogo Str., Yuzhno-Sakhalinsk, 693020, Russia
Tel.: + 7 (4242) 66 2000
Fax: + 7 (4242) 66 2801
www.sakhalinenergy.ru

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Reference Letter

To Whom This May Concern,

Dmitry Zorikhin held a full-time position at Sakhalin Energy Investment Company Ltd. in Yuzhno-Sakhalinsk, Russian Federation, working 40 hours per week, under the terms of his permanent employment contract. This employment lasted from 29/10/2015 to 15/03/2019.

While employed at the organization, Dmitry worked as Engineer. For a minimum of 20 hours per week, he fulfilled the following job duties:

1. Building advanced data models through the application of mathematical algorithms for oil and gas engineering
2. Utilizing the python programming language to automate the analysis of engineering data sets
3. Maintaining and supporting Engineering Data Model database
4. Conducting financial modelling for concept design engineering by applying Monte Carlo simulation method
5. Communicating data insights with relevant stakeholders across Technical Directorate

Dmitry initiated and managed key engineering data science projects for the department:

- Wells Database: performed in-depth analysis of geological data, casing designs and completion schemes; designed and built database which has been used daily as a reference for engineering operations and risk assessments.
- Wells Timing Execution Optimisation: analyzed big data sets of engineering data (10 years of data); created data model for workover engineering operations; developed a statistical algorithm for optimal execution timings; applied machine learning regression model to test trends observed in data; created an automated application for use within department.
- Subsurface and Wells departments interface project: launched and oversaw development of cloud-based application involving company's engineering databases and third-party contractor to digitize integrated planning capabilities.

Throughout his tenure with the company, Dmitry Zorikhin received the highest performance assessment among peers by the management and has been recognized by the internal bonuses and awards.

Alexey Dudochkin

Deputy Wells Manager, Head of Concept Design Division
Technical Directorate

Yuzhno-Sakhalinsk, Russian Federation

tel: +7 (4242) 66 46 05

email: A.Dudochkin@sakhalin2.ru