

OVERVIEW

After leaving university with a Masters in Petroleum Engineering in 2014 I joined Premier Oil as a Reservoir Engineer. Here, I encountered substantial use of data on a daily basis and successfully applied Reservoir Engineering workflows on a North Sea project using real field data to justify a joint field development plan. Effective time management was critical to the success of this project due to limitation of commercial software licenses.

To diversify and expand my knowledge in the IT sector, I joined Meganexus in 2016 where I dealt with large scale public sector projects varying from research and development to delivery stages with a focus on client delivery. Outputs included functional specifications, presentations, reports for EU projects, client demos and attending external client meetings for joint propositions. The role also involved intensive use and understanding of live and test database systems to ensure optimal client satisfaction.

The opportunities to work with data during my research project and developing my technical skills during my degree inspired me to work within the Data industry.

WORK

DATA ENGINEER – KUBRICK GROUP, LONDON

March 2017 – present

In addition to intensive learning, whilst at Kubrick I have worked in agile teams on many client projects deepening the skills I have learned.

The Data projects which I have worked on have proven my skills in efficiently engineering very large datasets across a cluster. This has enabled me to deepen my analytical skills, both through data visualisation in Tableau and Plot.ly and through predictive modelling using the Python SkLearn module.

Examples of value I have added to businesses include insight derived from real time streamed social media analytics, as well as predictive insights extracted from client side data warehouses.

PROJECT ANALYST – MEGANEXUS , LONDON 2016-17

Deliverables included functional specification documents for software developers to meet client requests, detailed reports for a pan-European project to support initiatives in digitising education, as well as managing a collaborative project to support the healthcare sector.

RESERVOIR ENGINEER – PREMIER OIL, LONDON 2014-2015

Justification of a joint field development plan of a North sea Norwegian field via proposition of through workflows including gridding methodologies for accurate representation and modelling of fluid contacts and dynamic phenomenon such as coning. Produced a comprehensive report and presentation with a reliable simulation model.

RESERVOIR ENGINEER TRAINEE – SCHLUMBERGER, ABINGDON, 2014

Formulated and addressed a specific problem of Practical Applications of History Matching tools and Upscaling in Reservoir simulation. This also involved evaluation of commercial history matching tools on a synthetic full field model.

EDUCATION

MSC PETROLEUM ENGINEERING, MERIT: Imperial College London

2013-14

Reservoir Engineering

NATURAL SCIENCES, 1ST CLASS: University College London

2010-2013

Condensed Matter and Nano physics, as well as Geophysical sciences.

KEY SKILLS

I am experienced and qualified in the following technologies and disciplines:

Data Skills:	SQL, Python, Pandas and SciPy, SkLearn, Tableau, Plot.ly, Hadoop, Apache Spark & MongoDB
Security Skills:	Git, Security and Kerberos, SSH & Linux, GDPR
Data Warehousing:	Data Warehousing in T-SQL, Hive & Kimball methodology
SDLC:	Agile, problem solving
Documentation:	LaTeX and Markdown
Soft Skills:	Presentation skills
Specialisms trained in:	Retail, AML, Credit Risk
Certifications:	Cloudera Certified Associate (CCA) Hadoop & Spark Developer

MOHSIN NAVEED

Data Engineer

ABOUT ME

I have always been inquisitive about the workings of the natural world and decided to pursue a BSc in Natural Sciences (Physics and Earth Science). Throughout my degree, I began to value the practical application of scientific concepts in the real world resulting in the choice to do my Masters in Petroleum Engineering and subsequently kick starting my career as reservoir engineer.

My interest in data derived from my experiences in reservoir engineering, where I learnt to evaluate and integrate large multi-disciplinary datasets to achieve project deliverables. Whilst conducting these workflows, I learned the importance of effective teamwork to minimise uncertainties in projects, to produce reliable forecasts and ensure successful project delivery.

During my time in the IT industry, I was involved in many client projects which improved my ability to understand what is important to a client and produce output accordingly.

In my free time, I am passionate about sports in particular rock climbing, mountaineering and bouldering. I also enjoy playing guitar, and have been a key member of the Imperial College Jazz and Rock Society where I have performed live on various occasions and collaborated with other musicians.

CONTACT US

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