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# PROFESSIONAL SUMMARY

* Acquired high critical thinking skills as a research scientist, gained through approaching problems systematically, identifying research gaps, evaluating ideas, and analyzing information. As a result, significant contributions in the knowledge of CO2 storage in shale reservoirs and silica dissolution are evidenced by 7 publications records.
* Excellent project manager with advanced skills in setting project goals and prioritizing tasks while anticipating potential problems, as demonstrated by performing characterization tests, 4 core flooding experiment, and CO2 exposure experiments, while monitoring $20.5K budget funding.
* Possess adequate communication skills developed through organizing and communicating a wide range of information and ideas effectively as a researcher, which is proven by teaching 3 undergraduate courses, presenting at an international conference, and being awarded a bronze medal for a poster presentation.

# RESEARCH AND TEACHING EXPERIENCE

## Research Scientist 2019-2021

## Curtin University

* Acquired high skills of research, data analysis, and critical thinking through conducting extensive laboratory tests on Carbon Dioxide storage in shale gas formation, and silica dissolution during chemical EOR, resulted in 4 publications in peer-reviewed journals.
* Supervision skills: mentoring 6 undergraduate students, assisting in data collection and analysis, and providing objective, factual feedbacks during their final year projects, resulting in project completion before deadlines.
* Project planning skills attained as a researcher through planning the suitable approach for doctoral research, methods, and data analysis, which resulted in completing the doctoral research in 2.5 years.
* Developed solid collaborations with different organizations and professionals in terms of supplying experimental samples and tools, and preparing journal manuscripts, which lead to complete experiments on time, publishing 4 papers in peer-reviewed journals, and presenting in an international conference.
* Served as graduate students representative committee member in a one-week training program on "Recent Trends in Energy Conversion Technologies", and actively participated in department events, oral presentations and guests visits.
* Strong time-management skills and experience managing multiple projects in a timely and efficient manner, shown by completing 3 milestones, thesis, and annual reports.
* Solid professional academic writing skills at multiple levels as a research scientist; proved via preparation of brief abstracts, monthly reports, 2 dissertations, 6 journal papers, and a sub-book chapter manuscript.
* Solid problem-solving skills shown through developing solutions for methodology designs in collaboration with an industry supplier, which reduced the experimental costs by 30% and shortened the overall research duration.

## Research Scientist 2013-2015

University Technology PETRONAS

* Strong organizational skills attained through demonstration of LAB sessions, marking LAB reports, and evaluating oral tests for undergraduate students, besides scheduling group discussions and classroom activities, which ensured productive and effective learning outcomes.
* Working as a research fellow in the Centre of Research Excellence of Enhanced Oil Recovery in a team project, proven by maintaining supportive and professional relationships with the principal investigator and other research scientists, resulting in co-authoring one journal paper.
* Adequate skills in product knowledge: educating undergraduate students on running experiments and using the advanced equipment in the LAB, which is proven by the number of equipment and software utilized as a research scientist, resulting in wide product knowledge of several advanced equipment and commercial software.
* Independent and self-starter. Capable of working effectively under pressure with limited supervision as evidenced by completing dissertation writing, papers preparation, and leading lab activities, which results in meeting deadlines and completion of projects.
* Research analyst. Capable of comprehending large amounts of data in designing experiments, planning, defining a problem, testing potential resolutions, and implementing reliable solutions.
* Teach and conduct tutorial classes and quizzes evaluations for undergraduate student’s level, in addition to proctoring mid-term tests. Three courses are; Reservoir Rock and Fluid Properties, Reservoir Engineering I and Reservoir Engineering II.

# EARLIER WORK EXPERIENCE

## Sales Engineer/ E-commerce 2016-2019

## NAQEL Express

* Strong customer service skills and experience managing customer complaints and responding appropriately to positive or negative feedback, gained as a sales engineer, and forming a strategic-relationship and partnership with other industries and governmental customers nationally and globally.
* Capable of leading several different tasks at the same time, as proven by instructing team members, monitoring projects, and solving problems, to ensure an efficient work process in achieving the assigned goals.
* Developed strong administrative skills as an international shipping coordinator, which improved the ability to complete administrative tasks in a quality and time-efficient manner, proved by launching 2 new retail outlets in handling international shipments.
* Excellent skills in product and market knowledge, represented by providing a technical explanation of the provided services, conducting wide research on shipping services and customer feedback, and targeting new customers, resulting in successful establishment of profitable business relationships and increasing the sale by more than 150% compared to the previous year.

## Executive Commercial Sales Representative- PETRONAS Marketing Khartoum, SDN

## Reservoir Engineer- SUDAPET Company Khartoum, SDN

# EDUCATION

## Curtin University, Perth, AU Expected Dec 2021

**Ph.D. in Petroleum Engineering**

## University Technology PETRONAS, Perak, MY October 2015

**M.Sc. in Petroleum Engineering.**

## University Technology PETRONAS, Perak, MY October 2013

**B.Sc. in Petroleum Engineering.**

**HOBBIES**

* Enjoying excellent coaching skills represented by organized events and hobbies outside of graduate school including physical fitness coaching and leading a football team, which shows a high level of balance and resilience.
* Motivated and responsible person, in terms of inspiring others to complete projects (group or individual), giving positive communication and feedback, and encouraging team members as shown in personal published articles.