

# RESOURCE PROFILE

[Open]

Date Send to PET-ICT	
Name	Muhammad Nurhakim bin Mohd Amran
Position Proposed	Data Analyst
Years of Experience	7 years
Availability	Immediately

EDUCATION
<b>Course:</b> B.Sc. (UG) Information Technology <b>University:</b> Open University Malaysia (OUM) <b>Year of Graduation:</b> Expected 2026
<b>Course:</b> Dip in Information & Technology (Programming) <b>University:</b> Politeknik Sultan Idris Shah <b>Year of Graduation:</b> 2017

SPECIFIC KNOWLEDGE & SKILLS		
Functional Skill Set	Year of Experience	Industry Experience
<ul style="list-style-type: none"><li>Microsoft Office</li><li>Dagra</li><li>Power Bi</li><li>Linux / Bash /mySQL / Python</li><li>Sharepoint, JIRA</li><li>Data Management</li></ul>	<ul style="list-style-type: none"><li>5</li><li>4</li><li>1</li><li>1</li><li>1</li><li>2</li></ul>	<ul style="list-style-type: none"><li>5</li><li>4</li><li>0</li><li>1</li><li>1</li><li>2</li></ul>

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SELECTED BACKGROUND SUMMARY
<b>Career Objective :</b> I am an experienced Data Analyst with 7 years of specialized expertise in wells data, seismic data, data management, and data quality. Throughout my career, I have consistently supported Project Command Centres, ensuring the accuracy and integrity of complex data sets. My focus has always been on delivering high-quality data insights that drive informed decision-making and enhance operational efficiency. I am eager to apply my skills and experience to make a meaningful contribution in the Data Analyst role
<b>Key Skills :</b> <ul style="list-style-type: none"><li>• Extensive experience collaborating with external partners to gather, analyze, and manage data.</li><li>• Advanced proficiency in data analysis software, tools, and project management platforms.</li><li>• Highly organized with a strong attention to detail, ensuring data accuracy and integrity, while confidently raising questions or escalating issues when necessary.</li><li>• Strong prioritization and time management skills, capable of balancing data-driven tasks and meeting project deadlines.</li><li>• Excellent interpersonal and communication skills, with a proven ability to work effectively with cross-functional teams and stakeholders at all organizational levels</li></ul>
<b>Project/Client :</b> <ul style="list-style-type: none"><li>• Petronas</li></ul>
<b>Key Responsibilities :</b> <ul style="list-style-type: none"><li>• Ensure data quality for the GPD department, managing and maintaining accurate well and seismic data.</li><li>• Facilitate system-to-system integration within the GPD department, ensuring seamless data flow.</li><li>• Prepare and maintain documentation for data quality standards and integration processes.</li><li>• Collaborate with the Project Command Centre (PD&amp;T) to standardize templates and gather user requirements for dashboard updates.</li><li>• Lead end-to-end implementation of data initiatives, from transformation to delivery, ensuring project success from inception to completion.</li><li>• Drive the transformation and digitization of well and seismic data, enhancing data management practices.</li><li>• Manage and fulfill data transformation requests from four regions: Perth, London, Houston, and Kuala Lumpur</li></ul>

PROFESSIONAL HISTORY

**Company:** Skill Quotient Group (Client: Petronas)

**Position:** Data Analyst / Business Analyst

**Year:** 2022 - Current

**Responsibilities:**

**Data Quality Management:**

- Conduct thorough data discovery to identify and document technical metadata, collaborating with Subject Matter Experts (SMEs) to understand data details and flow.
- Develop and maintain a comprehensive Data Dictionary by cataloging business and technical metadata, and confirm Critical Data Elements (CDEs) with SMEs.
- Apply Data Quality Rules to CDE attributes, adhering to Petronas' 6 dimensions of quality. Perform Root Cause Analysis on data scoring outcomes.
- Create and update Data Flow Diagrams to visualize data processes and integration points.

**System Integration:**

- Conduct data discovery to understand technical metadata and business requirements for system integrations. Work with SMEs to identify target attributes.
- Obtain and manage API links for data extraction. Convert JSON data to CSV format using Postman, and validate data outputs using SQL queries.
- Develop Data Flow Diagrams to map out integration processes.

**Project Command Centre:**

- Gather and analyze technical metadata based on project requirements from various disciplines.
- Design and deliver initial widget designs for dashboard publication.
- Standardize data templates across disciplines, securing SME approval for consistency and accuracy.

**Company:** DownUnder GeoSolution Asia Sdn Bhd

**Position:** Geo Analyst

**Year:** 2018 – 2021

**Responsibilities:**

- Extract, analyze, and interpret data to identify patterns and types, ensuring accurate and actionable insights.
- Oversee the creation, updating, and deletion of master data. Ensure high-quality control in the loading and initial processing of 2D/3D raw seismic data.
- Receive and catalog project-related data, including data loading, disc management, and seismic data analysis. Implement data management procedures to load and maintain data in master and project databases, ensuring data integrity and accessibility. Manage and maintain data stores, databases, and catalogs, optimizing their performance and reliability.
- Oversee computer cluster resources to ensure efficient production flows and manage all subsurface data, including seismic and well data, within the company's computer system, ensuring accurate recording of all data transactions.