

IHAB WAHBI

Perth, Australia | +61 422 204 510 | ihab.a.wahbi@gmail.com | LinkedIn | GitHub

Visa Status: Eligible for Employment Visa Sponsorship | **Nationality:** Australian, Iraqi | **Languages:** English (Native), Arabic (Native)

PROFESSIONAL SUMMARY

Technology Transformation Executive with **14+ years** in **Technology Strategy**, AI innovation, and **Team Management**. Architected 'AquaPulse,' a multi-agent AI system achieving **20-35% forecasting accuracy** gains. Led 50+ engineers through crisis while driving enterprise **Digital Transformation**. Australian Professional Engineer with Iraqi heritage, committed to long-term impact in UAE's F&B tech sector.

SKILLS

Technology Leadership: Technology Strategy, Digital Transformation, Enterprise Architecture, Team Leadership, Strategic Planning, P&L Management, Product Management, Stakeholder Management

AI & Data: AI/ML Development, Machine Learning, Agentic AI Systems, Predictive Modeling, Data Analytics, Business Intelligence, ML Forecasting, Explainable AI (SHAP)

Cloud & Infrastructure: Azure (Functions, PostgreSQL, Event Hubs, Synapse), GCP (Cloud Run, Firestore, BigQuery), Kubernetes, Docker, Serverless Architecture, CI/CD, Microservices Architecture

Development: Python, SQL, TypeScript, React, Next.js, REST APIs, FastAPI, PostgreSQL, tRPC, MLOps

Enterprise Systems: SAP S/4HANA, SAP IBP (Integrated Business Planning), Power BI, Power Automate, Enterprise Integration, Apache Airflow

PROFESSIONAL EXPERIENCE

Resource Strategy & Analytics Manager | SLB | Apr 2025 - Present

Perth, Australia

- Architected AI-powered P&L forecasting engine using TensorFlow and PyTorch, enabling 3-12 month financial risk detection across 15+ line items.
- Built enterprise cost intelligence platform with TypeScript and React, achieving 99.9% architecture health and replacing reactive cost tracking.
- Engineered MLOps pipeline with Docker, Kubernetes, and Apache Airflow, achieving 99.5% uptime with real-time SAP S/4HANA Cloud Computing integration.
- Developed Monte Carlo simulation engine for 1,000+ stress-test scenarios using TensorFlow Probability, informing \$50M+ capital allocation decisions.
- Established analytics-driven Technology Strategy framework for senior leadership, accelerating resource allocation across 5 APG business lines.

Sales & Solutions Engineer | SLB | Oct 2024 - Apr 2025

Perth, Australia

- Secured flagship Warrego Energy contract displacing entrenched incumbent Baker Hughes, establishing critical market beachhead for regional expansion.

Product Development Lead, Agentic AI & Forecasting Systems | SLB | Dec 2023 - Oct 2024

Paris, France

- Designed multi-agent AI demand-planning system using LangGraph with Neo4j knowledge graphs, accelerating S&OP cycle times by 40% in pilot deployment.
- Built ML revenue predictor proving activity-based metrics reduce forecast error by 20-35% versus legacy ratios, de-risking \$50M SAP IBP overhaul.
- Overhauled SAP IBP forecasting architecture for 200+ product SKUs, shifting from revenue-ratio to activity-driven models improving planning by 25%.
- Authored 'Demand & Resource Planning Vision' roadmap driving alignment across 4 departments on standardized activity metrics and API integration.
- Championed user-first IBP UX philosophy centralizing inputs, automating S&OP projections, and accelerating planner cycle times through Digital Transformation.

Materials Planner & Analyst | SLB | Mar 2022 - Dec 2023

Adelaide, Australia

- Spearheaded materials workstream during enterprise Lawson-to-SAP migration, building Python automation ecosystem reducing manual data processing by 80%.
- Designed flagship Power BI dashboards providing first real-time visibility into \$22M inventory portfolio, enabling faster executive decision-making.
- Exceeded KPI targets reducing inventory DSOH from 160 to 90 days while improving asset utilization by 23% across ANZ/PNG regional operations.

Field Service Manager | SLB | Jan 2020 - Feb 2022

Moomba, Australia (Cooper Basin)

- Led 50-person field operation through COVID-19 crisis with full P&L accountability, executing strategic downsizing while maintaining 95% service quality.
- Set record monthly revenue of US\$1.6M (highest since 2015) and delivered 37% topline growth outpacing market by 30% with US\$12M annual operations.
- Achieved zero recordable injuries (TRIF 0%) in 2018-2019 through daily Team Management and safety engagement, earning 'Outstanding' recognition.
- Designed industry-benchmark VSAT remote operations solution reducing on-site engineering requirements by 60%, driving operational Digital Transformation.

Operations Lead | SLB | Dec 2016 - Dec 2019

Moomba, Australia (Cooper Basin)

- Delivered 100% compliance across critical safety audits and equipment integrity checks while achieving highest HSE engagement rate in regional operation.
- Mentored 15+ newly-hired contractors, fostering proactive safety-first culture achieving 79% HSE engagement rate (highest in APG region).

Senior Field Engineer | SLB | Jul 2011 - Dec 2016

Iraq (Erbil-Kurdistan, Basra)

- Selected globally to execute first-ever VSP/SIB/Maxwell combined data acquisition operation worldwide, validating integrated platform for enterprise rollout.
- Grew HESS Corporation seismic services to 100% market share as lead field engineer, designing and executing logging program for first Kurdistan well.

PROJECTS

AquaPulse Multi-Agent AI System | GitHub

Tech Stack: LangGraph, Google ADK, Neo4j, Python, Gradio

Production-grade multi-agent AI planning system orchestrating demand forecasting workflows with human-in-the-loop validation and Neo4j knowledge graphs for persistent context.

NIS Analysis Engine | GitHub

Tech Stack: TensorFlow, PyTorch, TFT, N-BEATS, SHAP, MLflow, Python

AI-powered P&L forecasting engine predicting 15+ financial line items across multi-horizon periods with explainable SHAP-based attribution for audit-ready financial intelligence.

EDUCATION

Bachelor of Engineering, Electrical Engineering | 2011

University of Jordan, Amman, Jordan

CERTIFICATIONS

Professional Engineer (MIEAust CPEng) | 2016

Engineers Australia