

# ZEESHAN N. MALIK

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- **Dynamic and focused leader, strategist and technologist** offering 20 years of experience managing multimillion-dollar, mission-critical digital projects & product development in FTSE 10 companies.
- **Skilled in all phases of software development lifecycle**; expert in translating business requirements into resilient architectures & technical solutions/products; and ardent about quality, usability, security and scalability. Particularly strong at shaping unstructured conceptual thoughts into strategic architectural designs and solution delivery.

## PROFESSIONAL EXPERIENCE

Glencore (March 2020 to May 2025) – London, United Kingdom  
*Glencore is one of the world's leading integrated producers & marketers of over 90 commodities & London is the headquarters for its Oil, Gas & Power trading business.*

### Portfolio Lead for Gas, Power, LNG & Derivatives Trading (Hands-On)

Engage and collaborate with business leaders to understand business strategy & develop product strategy, roadmap, architectures & solutions to drive the execution of technology initiatives to improve business performance and support the growing trading business.

- Accountable & responsible for building and delivering system capability to support the trading business using Openlink and modern tech stack.
- Lead a greenfield multi-year digital transformation program based on Openlink platform for Gas, Power, LNG, Emissions & other commodities.
- Responsible for architecture and design of new landscape from front to back including 22 interfaces using modern tech & Openlink.
- Build & lead a highly skilled & high-performing global team of software engineers, business analysts, PMs, QAs, and manage relationships with 3rd party vendors to deliver trading and risk management solutions in a fast paced dynamic trading environment.
- Lead the analysis, product development & deliver system capabilities that meet the strategic requirements of the business including the development of new products, architectures for complex systems and ensure buy-in from all stakeholders.
- Seek opportunities to modernise legacy estate & streamline business processes across the organisation via automation & application of AI technologies in collaboration with different teams.

### Product & Solution Owner for Oil, Gas incl. LNG & Financial Trading

Engage with key business stakeholders & domain experts to identify, prioritise, plan & architect solutions to meet the needs of Oil, Gas, LNG & Financial Trading from deal entry through to settlements & accounting.

- Accountable for successful delivery of future proof multi-year program of Modernising trade capture, confirmations, contracts & risk management (valuation, exposure and P&L) monolith applications
- Manage, provide direction, guidance & support to project & high cadence teams on solution & technical architecture
- Key driver in the development of in-house pricing products and other financial modelling software

*Innovating,  
architecting,  
engineering,  
robust user-focusing,  
solutions driving,  
breakthrough  
efficiency and  
bottom-line gains.*

## EXPERTISE

Leadership & Team  
Building

Digital  
Transformation

Product Development

Program/Project  
Management

Commodities Trading

Financial Services

MiFID

Capital Markets

Business-IT Strategy  
Alignment

Architecture

Application  
Development

Micro-Services

Service Oriented  
Architecture

Enterprise  
Implementations

Agile Methodology

DevOps

Cloud (Azure, AWS)

Integration  
Technologies

Offshore  
Development  
Operations

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BP (2017 to March 2020) Contract – London, United Kingdom  
*BP's Integrated Supply & Trading (IST) is the largest trading group in the world. It handles physical, paper-based trades of oil, gas, LNG, FX, metals, etc.,*

## Lead Solutions Architect

Engage with senior business stakeholders to capture demand, develop business cases and present to the Oil Governance Board for budget approval. Develop architecture, solution options and create delivery plan to successfully implement within Mid-Office DevOps model

- Accountable for successful delivery of \$3M Cash and Working Capital project to integrate with risk management system (Position Manager) and SAP to provide timely working capital data (ARAP, Cash, etc).
- Lead a new project as part of an innovation initiative to improve cash flow using Machine Learning techniques to detect patterns such as overdues, prepayments, etc.,
- Create a new blue-print architecture replacing monolith Position Manager based on event driven and micro-services design patterns to address inherent performance bottlenecks & scalability challenges

BG GROUP (2014 to 2016) – Reading, United Kingdom  
*BG Group was an international LNG business with two distinctive capabilities exploration and an energy trading model. Shell acquired BG Group in 2016.*

## Business Architecture & Innovation Manager

Head Innovation practice and led digital transformation journey with budget responsibility of \$10-15M and managed global teams. Created Business-IT strategy alignment, roadmaps & deliver agile architecture, design, development & rollout of innovative enterprise applications.

### Accomplishments:

- Designed dozens of software solutions driving continuous improvement to processes, systems, and customer responsiveness.

BP (2007 to 2014) – Canary Wharf, London, United Kingdom

**Lead Front Office Architect**, 2011 to 2014

**Lead Solutions Architect**, 2007 to 2011

- Lead a team of architects to deliver agile architecture blueprint for \$180 million global TCT program and managed the development.

ACCENTURE (2005 to 2007) – London, United Kingdom

**Technology Architect (client: Shell)**

NEOPOST (2003 to 2005) – Paris, France

**Integration Architect**

## PROJECT RESULTS

*Served as a leader, an innovator, lead architect and/or team member on dozens of application development projects. Delivered technology solutions that:*

- Enabled Global Gas, Power & Emission trading for newly created trading desks including product strategy, system selection, define architecture & integrate with internal & external interfaces within stringent timelines & on budget to take advantage of market volatility
- Reduced TCO of Oil estate via application server consolidation, virtualisation and shared database service, saving \$3M annually

## EDUCATION

UNIVERSITY OF  
OXFORD  
Oxford, UK

**Course: Artificial  
Intelligence: Cloud & Edge  
Implementations 2022**

UNIVERSITY OF  
ST. THOMAS  
St. Paul, MN, USA  
**MSc in Software  
Engineering, 2000**

MINNESOTA STATE  
UNIVERSITY Moorhead,  
MN, USA  
**BSc in Finance & Energy  
Mgmt., 1994**

## CERTIFICATIONS

TOGAF, 2010

ITIL, 2011

## TRAINING

Trading Foundation (BP)

Oil Trading Program (ICE)

Gas & Power Trading  
Program (ICE)

Risk Management  
(Princeton)

## PROGRAMMING LANGUAGES

Python, C#, Java, C++  
Javascript, various  
platforms & frameworks  
incl. Openlink Endur, TPT,  
Allegro, Murex,

## LANGUAGES

English (Native)  
French (Competent)

## TECHNOLOGY SUMMARY

**Languages:** C#, .Net, Java, Python, Javascript, Typescript, Rust, C++

**Architectures:** Microservices, Event-Driven, Domain-Driven Design, Cloud-native, Design Patterns, Layered Architecture, Service-Oriented, etc

**AI, LLM & ML:** PyTorch, Tensorflow, LangChain, Llama, Hugging Face, Mistral, Falcon, OpenAI, Anthropic, Neural Networks (MLPs, CNNs, RNNs), Scikit-learn, Jupyter Notebook, Google's Colab, Dataiku,

**DevOps/MLOps:** Docker, Kubernetes, FastAPI, Jira, JUnit, XUnit, GitLab, Artifactory, Kibana, Prometheus, Octopus (CI.CD)

**Cloud:** Azure, AzureDevOps, Azure Elastic Cloud, Docker, AWS, OpenShift, Akka, Lagom, Quarkus, Apache Flink & Airflow, Kubernetes, SQL & No SQL databases,

**Data:** Kafka, MSMQ, ActiveMQ, AWS Kinesis, Spark, Databricks, etc

**Web:** HTML5, CSS3, React, Angular, Blazor, GraphQL, Bootstrap, Node, REST, JSON, Streamlit, jDanjo, Flask

**ETRMS:** ION's software products (OpenLink, Allegro, TPT, etc), Murex, Proprietary Trading & Risk platforms

**Methodologies:** Agile, Scrum, Object-Oriented Analysis & Design (OOAD), Functional, Actor Model, Waterfall

**IDEs:** Visual Studios, Visual Studio Code, IntelliJ, Eclipse, PyCharm, etc