ZEESHAN N. MALIK

LONDON / UNITED KINGDOM / +44 (0) 77 9599 2539
znmalik@outlook.com/ LinkedIn URL / My Website

- **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.

- Solicit requirements from incoming Traders/Portfolio Managers, set up project to deliver applications configuration or enhancements (where relevant) & all relevant data set up so they are operationally effective upon joining.

- Implemented Power, Gas (physical & derivatives) & Certs in for Uk, Europe and US markets for newly formed trading desks.

- Accountable & responsible for building & delivering system capability to support trading using modern architecture and tech stack.

- Lead a greenfield multi-year digital transformation program for Oil, Gas, Power, LNG, Emissions & other commodities including derivatives

- 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 system selection and implementation of Analytics platform for Front Office (Quants, Risk Managers & Traders) that enabled automation & application of ML/AL technologies for several use cases.

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

- 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

ZEESHAN N. MALIK

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 & create delivery plan to successfully implement within DevOps model

- Accountable for successful delivery of $3M Cash and Working Capital project to integrate with risk management system (Position Manager) & SAP to provide timely working capital data.

- 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

- Leveraged cross-asset Front Office trading data to draw insights and analytics via application of Big Data, ML, Cloud and data

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

C/ETRMs 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