

FAIQ HILMAN

faiqhilman97@gmail.com | <https://faiqhilman.my/> | <https://www.linkedin.com/in/faiqhilman/> |

WORK EXPERIENCE

EY, Kuala Lumpur, Malaysia	Technology Consultant	Aug 2024 - Present
-------------------------------	-----------------------	--------------------

- Engineered the frontend for an internal Generative AI platform of national utilities and energy leader using React, Streamlit, and TypeScript, enabling natural language-driven analytics including SQL query generation, document summarization, data visualizations, and automated reporting.
- Orchestrated the end-to-end setup of a distributed microservices architecture with 7+ .NET/Python backend APIs, PostgreSQL databases, and Dockerized services, independently debugged complex SAML/ADFS authentication flows and enabled full local development integration.
- Delivered production-ready features in isolation by rebuilding UI from Figma designs, implementing core logic in Storybook, and simulating API responses, demonstrating strong independent problem-solving, component-based development, and resilience under system access constraints.
- Conducted OT cybersecurity audit for a critical infrastructure client, co-developing audit plans, evidence procedures, and IEC 62443 assessments covering ICS security, remote access, and network segmentation to strengthen compliance, risk management, and threat detection.
- Conducted cybersecurity validation assessments for a financial institution, ensuring e-KYC vendor solutions comply with BNM e-KYC Policy Document (April 2024), focusing on identity verification, fraud prevention, and compliance risk mitigation.

Cherengin Hills, Kuala Lumpur, Malaysia	Corporate Sales & Strategy Associate	Jan 2021 - Jun 2022
--	--------------------------------------	---------------------

- Acquired and negotiated corporate sales agreements, securing RM80,000 in revenue by orchestrating corporate training seminars for multiple companies, through good relationship-building and negotiation skills with key corporate representatives.

PricewaterhouseCoopers, Kuala Lumpur, Malaysia	Assurance Associate	Mar 2020 - Jul 2020
---	---------------------	---------------------

- Conducted trend analytics and technical and reasonableness analysis on the PPE, Intangible Assets, Overhead expenses, Payroll expenses and subordinated obligations financial statement line items.
- Identified accounting errors via detailed analysis and understanding of client's business cash flow enabled recovery of errors could result in \$25000 of variances.

EDUCATION

City, University of London, London, United Kingdom	MSc Data Science	Sep 2022 - Jul 2024
---	------------------	---------------------

- Relevant Coursework: Data Visualization, Machine Learning, Principles of Data Science, Statistics, Big Data, Visual Analytics, Neural Computing, Semantics and Knowledge Graphs.

University Of Melbourne, Melbourne, Australia	Bachelor of Commerce	Jan 2017 - Dec 2019
--	----------------------	---------------------

- Relevant Coursework: Financial Statement Analysis, Advanced Financial Management, M&A, Options, Futures & Derivatives, Quantitative Methods, Real Estate Finance, Investments, Financial and Management Accounting.

PROJECTS

Mini IDP - AI Workflow Platform	May 2025
---------------------------------	----------

- Designed and engineered a full-stack AI Workflow Platform (Mini IDP) enabling self-serve document processing through RAG chatbots, summarizers, and text classifiers. Implemented a modular microservices-inspired architecture with a FastAPI backend, React frontend, and Prefect for robust workflow orchestration.
- Developed comprehensive AI/ML pipelines leveraging Natural Language Processing (NLP) for intelligent query answering with citations, automated document summarization, and text classification, demonstrating end-to-end LLM integration and data flow management.
- Established scalable data infrastructure, including PostgreSQL database schema design for document and pipeline metadata, robust input validation, and structured error handling, ensuring platform reliability and maintainability.

Intelligent B2B Lead Generation Platform

Apr 2025

- Built a fully orchestrated workflow automation engine using n8n for lead ingestion, personalized email generation via LLM prompts, PDF proposal attachments, and campaign tracking, built for B2B marketers to automate cold outreach using personalized LLM-generated emails and campaign tracking, enabling consistent lead flow without manual effort.

RAG-Powered Knowledge Chatbot

May 2025

- Built a fullstack local RAG chatbot using LangChain, FAISS, FastAPI, and Ollama, enabling semantic question-answering across multiple uploaded PDFs.
- Engineered dynamic context filtering with vector index rebuilding and cross-encoder re-ranking, solving ghost context issues and boosting LLM answer precision.

LEADERSHIP

City Entrepreneurship Club, London, United Kingdom

Partnerships Officer

Oct 2022 - Jun 2023

- Elected as founding committee for the club and worked with entrepreneurs in London by hosting events and talks for society members.
- Established partnerships with tech startups and organized educational events for aspiring entrepreneurs.

Malaysians of Melbourne University, Melbourne, Australia

President

Sep 2018 - Sep 2019

- Managed \$52,000 AUD budget and led 45-member team, growing membership to 1,100 active members through data-driven strategies.
- Won Best Camp of the Year award at UMSU Award night while raising record levels of club sponsorship.

Malaysians of Melbourne University, Melbourne, Australia

Assistant Sponsorship Director

Sep 2017 - Sep 2018

- Reinvigorated sponsorship program, raising \$13000 AUD in financial sponsorship from corporate and non-corporate sponsors.
- Recruited 42 sponsors within 1 year, making a new record for largest cultural club in the University of Melbourne.
- Presented sponsorship proposals to large corporate sponsors such as Deloitte and Central Equity, and numerous non-corporate sponsors with club statistics and future direction.

TECHNICAL SKILLS

Programming & Data Science:

Python, R, Java, JavaScript, SQL, SPARQL, Pandas, NumPy, Matplotlib, Seaborn, RDFlib, Regex, Jinja2.

Machine Learning, AI & Automation:

LLM Prompt Engineering, Neural Networks, Random Forest, SVM, Bayesian Optimization, Feature Selection, Supervised Learning, Unsupervised Learning, PCA, RAG Pipelines (LangChain, FAISS, Ollama), Agentic Workflows (n8n), Conversational UIs, Document Parsing & Comparison, Lead Classification Automation.

Software & Data Engineering:

FastAPI, SQLAlchemy, PostgreSQL, SQLite, ETL Scheduling, Data Validation, Webhooks, REST APIs, CLI Tools, Secure Credential Vaulting, Prefect, Celery, Google Cloud Platform (GCS, Dataproc), PySpark, Hadoop, TFRecord Optimization, Distributed Computing, Parallel Data Processing.

UI/UX & Visualization:

Streamlit (advanced), React (intermediate), TailwindCSS (basic), Custom JavaScript Enhancements, UI State Management, Dashboard Design, Tableau, Observable, Folium, GeoPandas, RDF, Knowledge Graphs, Data Modeling.

Cybersecurity, DevOps & Compliance:

OT Cybersecurity, e-KYC Vendor Evaluation, Network Security, Secure System Configuration, Risk Assessment, Docker, WSL2, Git, Environment Management (.env, appsettings.local.json), Secure API Deployment, Azure DevOps, AWS DevOps, AWS (S3, Secrets Manager, ECR), Zscaler Certificates.

Credentials:

ISC2 - Certified in Cybersecurity.

Microsoft Certified: Security, Compliance and Identity Fundamentals .

Microsoft Certified: Azure Fundamentals.