GORDON McASKILL

Enterprise Data, BI & AI Evaluation Consultant

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PROFESSIONAL PROFILE

Enterprise data and software engineering consultant with 15+ years of experience delivering data warehouses, ETL pipelines, business-intelligence solutions, enterprise integrations and operational analytics. Combines hands-on Java, Python and SQL engineering with deep domain experience in downstream fuel distribution, pricing, logistics, customer and workforce data. Recent confidential engagements include evaluating the quality of AI-generated technical and professional work, designing challenging tasks, and producing structured reference outputs and assessment criteria.

CORE EXPERTISE

Data Engineering & ETL | Business Intelligence & Dashboards | Data Quality & Reconciliation
Pricing & Operational Analysis | Enterprise Systems Integration | AI Output Evaluation & QA

PROFESSIONAL EXPERIENCE

Independent Data & Software Consultant | Misty Isle Software | Greenock / Remote | Jul 2018 - Present

- Provide long-term data engineering, business-intelligence, systems-integration and automation services to clients in downstream fuel distribution and related energy operations.
- Design and maintain Java, Kotlin, Python and SQL solutions connecting operational applications, SQL Server, InterSystems Caché, Android field systems, REST APIs and reporting platforms.
- Collect, normalise and analyse UK and European fuel-pricing information from commercial feeds, national pricing portals and government publications to support pricing and market intelligence.
- Develop and support ETL processes, operational reporting, data-quality controls and business-critical automation across customer, order, pricing, fleet, HR and logistics data.
- Undertake confidential AI quality and evaluation engagements involving complex task design, structured assessment of model outputs, expert reference deliverables and clear grading criteria.

Enterprise Applications Developer | Certas Energy UK Ltd | Larbert, Scotland | Jan 2013 - Jun 2018

- Designed, implemented and operated a SQL Server data warehouse and worker-based ETL architecture over InterSystems Caché, delivering order-of-magnitude query improvements and reducing reliance on legacy licensed reporting.
- Integrated operational and market data into QlikView, including CODAS, Platts, FuelPricesOnline, fleet-management APIs and ResourceLink HR; created data models, transformations and backend queries for high-volume reporting.
- Implemented publisher/subscriber replication from the warehouse into a production Microsoft Dynamics CRM environment.
- Designed RepOrderer, a mobile ordering platform for field sales teams, with secure REST middleware, user administration, operational controls and custom reporting.
- Automated joiner, mover and leaver processes and created an Active Directory inactivity-control application deployed across multiple businesses; also supported DevOps, infrastructure administration and domain operations.

Co-founder & Software Consultant | Dynamica Computing | Greenock, Scotland | Jan 2010 - Jun 2013

- Delivered websites, e-commerce solutions, database-backed applications and IT services for local organisations and small businesses.

IT Support Analyst / Technical Innovation Lead | IBM UK Ltd | Greenock, Scotland | Apr 2008 - Dec 2009

- Supported BP users and enterprise systems in a high-volume managed-services environment.
- Won an IBM innovation award for a Java-based monitoring and auto-ticketing solution that checked server and component status through SNMP and configuration-management data, then created Remedy ITSM incidents, including priority cases.

TECHNICAL SKILLS

Data & BI: SQL Server, T-SQL, SSIS, SSRS, QlikView, Tableau, data warehousing, ETL/ELT, data modelling, reconciliation, data quality, exploratory analysis, dashboards and operational reporting

Programming & Integration: Java, Kotlin, Python, SQL, C#/.NET, PowerShell, JavaScript/Node.js, Bash, REST APIs, JSON, XML and event/process automation

Databases & Platforms: InterSystems Caché, MySQL/MariaDB, PostgreSQL, SQLite, Microsoft Dynamics CRM, Azure, Linux, Windows Server, Active Directory, Docker, WSL and Git

Engineering Practice: Solution design, requirements analysis, testing, debugging, performance optimisation, CI-oriented workflows, technical documentation and production support

SELECTED PROFESSIONAL STRENGTHS

- Translate complex operational requirements into reliable data products, integrations and decision-support tools.
- Work effectively across legacy and modern estates, improving performance and maintainability without disrupting critical business processes.
- Create objective, auditable quality criteria and communicate technical findings clearly to both specialist and non-specialist stakeholders.

EDUCATION & QUALIFICATIONS

BSc (Hons) Computer Science - University of Strathclyde, 1999 - 2003

HNC Engineering: Electronics and Electronic Manufacture - James Watt College, 1995 - 1999

Modern Apprenticeship in Engineering - EMTA Level 3 Providing Technical Services and Level 2 Engineering Manufacture