

Dorian Bugeja

Head of Data, Analytics & AI

DATE OF BIRTH

1987-12-08

GENDER

Male

NATIONALITY

Maltese

NATIONAL ID

0005588M

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DRIVING LICENCE

Full clean

WORK EXPERIENCE

Technology Consultant — Self-Employed

2026-04 – present

- Advising organisations on data architecture, analytics and AI strategy
- Supporting engineering leadership, technical due diligence and platform modernisation
- Designing production-grade data platforms and real-time analytics solutions

Part-Time Lecturer — MCAST

2024-02 – present

- Develop and deliver lecture material and practical labs
- Design coursework and assessments using Python and NLTK
- Supervise and assess student assignments

Head of Data & Analytics — Monkeytilt

2025-01 – 2026-04

- Built the company data warehouse and reporting platform from scratch
- Implemented daily operational reporting and automated reconciliation for balances, payments and gaming transactions
- Developed affiliate reporting, player analytics and commercial KPIs including FTD, GGR, NGR, ARPU, ARPPU, retention and LTV
- Worked across Kubernetes, cloud infrastructure and production technology as an individual contributor

Head of Data — River Tech plc

2022-06 – 2025-01

- Built and led a multidisciplinary team of six engineers across data engineering, analytics and AI
- Designed real-time data platforms supporting trading, payments, compliance and customer analytics
- Introduced data governance, lineage and operational monitoring
- Worked closely with executive stakeholders to prioritise strategic data initiatives
- Established engineering standards, mentoring and review practices

Lead Big Data Engineer — River Tech plc

2019-03 – 2022-06

- Architected a unified data lake handling 50TB+ of trading and customer data
- Implemented GDPR-compliant data retention and deletion pipelines
- Built real-time streaming pipelines for market data ingestion
- Migrated on-premise Hadoop cluster to cloud-native Spark/Airflow platform

Senior Data Engineer — Cerberus Technology

2017-10 – 2019-03

- Delivered data warehouse solutions for 3 major banking clients
- Reduced ETL job runtimes by 60% through optimization
- Mentored junior engineers and established code review practices

Data Engineer — Betsson Group

2016-09 – 2017-09

- Built player analytics pipelines for CRM, marketing and customer segmentation.
- Implemented A/B testing infrastructure for product experiments
- Automated reporting workflows saving 20+ hours weekly

Technical Architect — KPMG Crimsonwing

2015-03 – 2017-01

- Architected SharePoint and BizTalk integration platforms for enterprise clients
- Led migration projects reducing operational costs by 30%
- Designed microservices architectures for healthcare and finance clients

Senior Analyst Programmer — KPMG Crimsonwing

2013-06 – 2015-03

- Developed custom ERP modules for manufacturing clients
- Led agile sprint teams of 4-6 developers
- Reduced bug rates by 40% through TDD and automated testing

Analyst Programmer — KPMG Crimsonwing

2012-06 – 2013-06

- Delivered inventory management system for logistics client
- Built reporting dashboards using SQL Server Reporting Services
- Automated batch processes improving efficiency by 25%

Programmer — KPMG Crimsonwing

2011-06 – 2012-06

- Contributed to multiple client projects across finance and retail
- Learned enterprise development patterns and practices
- Passed Microsoft certification exams while delivering billable work

Co-founder & Director — Ludoi

2012-11 – present

- Designed and delivered bespoke software solutions
- Led software architecture across client projects
- Managed deployments and technical delivery

Software Tester — setcom

2010-04 – 2011-06

- Designed and executed test plans reducing production bugs by 50%
- Automated regression test suites using Selenium
- Collaborated with developers to resolve issues early in the lifecycle

External Relations Intern — Malta Communication

Authority

2008-07 – 2008-09

- Assisted in organizing stakeholder consultation events
- Researched and compiled reports on digital communications trends
- Supported the launch of .mt domain awareness campaigns

EDUCATION AND TRAINING

- **B.Sc (Hons) ICT, Computer Science & AI** — University of Malta (2008-09–2011-06)
- **M.Sc. AI (Big Data), Artificial Intelligence** — University of Malta (2015-09–2016-12)

LANGUAGE SKILLS

Maltese — Listening C2, Reading C2, Spoken interaction C2, Spoken production C2, Writing C2

Italian — Listening C2, Reading C2, Spoken interaction C2, Spoken production C2, Writing C2

English — Listening C2, Reading C2, Spoken interaction C2, Spoken production C2, Writing C2

SKILLS

Python · SQL · ClickHouse ★ · Apache NiFi ★ · Kafka · PostgreSQL · AWS · Kubernetes · Terraform · Airflow · Superset · Docker · Agentic AI · Natural Language Processing · LLM Applications · Java · Kotlin · C · JavaScript/TypeScript · Assembly

REFERENCES

Available on request