| Adrian Ng | | | | | |
|--|--|--|-----------------|--|---------------------------------------|
| Junior Metadata Eng | gineer at IAG Ca | rgo Email: contact@a | drian.ng | Website: adrian.ng | g Location: Harrow |
| EDUCATION | | | | Coding | Tools |
| Data Science & Analytics Master of Science Pass with Distinction Department of Computer Science | | King's Collge London Mechanical Engineering Bachelor of Engineering Upper Second Class with F School of Engineering | 2010 Honours | T-SQL, PLSQLPowershellPythonJava (postgrad) | DBeaverGit |
| | | | | | |
| Junior Metadata Engineer | | Data Platform Team | | | June 2019 - Presen |
| Prototype Implementation PL/SQL | Achieved computational efficiencies where possible: Computed directed network graphs using CROSS JOIN and recursive in-line queries. Made use of materialized views and global temp tables to cache datasets Utilized PL/SQL as a functional language with table-valued functions. Specified standards for Data Exploitation team to follow (documentation, UAT evidence, naming conventions, ownership) | | | | |
| Self-Service Data Ingestion Python, Powershell | Built an automated data ingestion service enabling Data Analysts to set up their own data pipeline Utilized by Data Exploitation team across numerous projects. Time-series analysis used to visualize undesirably large or small imports in Tableau. Provided documentation on: - local/remote(RDP) installation - yaml configuration | | | | |
| Sales Relational Model Oracle | Modelled the relationship between entities: sales agent/customer/location • Established pipeline between Business Managers (upserts) and Data Analysts (dashboards) • Relational design enabled efficient ETL automation, constant uptime and immediate retrieval. | | | | |
| Training & Documentation Markdown | Prepared training materials and hosted workshops for analysts on SQL fundamentals Part of editorial committee to establish an internal Wiki. Conducted interviews for content. Produced documentation on edge-case and greenfield subject matter: XML parsing in Oracle SSHing to remote Python environment Metadata Management (for non-technical C-level audience) | | | | |
| MANCHESTER CI | ity Footbali | L Club | | | |
| Data Analyst | Fan Relationship Management | | | | Jan July 2016 |
| Project Owner c | | ork City FC data into our anangineering. Multiple data sour | | | |

lution

Data Pipeline • built pipeline ingesting data from multiple databases, replacing Informatica so-

 $\bullet\,$ achieved speed improvements using efficient DML & DDL (OPENQUERY, MERGE)

Data Cubes Storing analytical datasets in Data Cubes achieved • up-stream computation of all drill-down/roll-up levels and GROUP BY permuta-

- tions
- reduction in size of dataset, minimising bandwidth across distributed servers
- improved user-experience in Tableau front-end

Training Dedicating time to training junior colleagues remotely in Manchester/New York

 \bullet organised weekly workshops teaching basic DML and advanced DDL

[git] • Release: June 16, 2020 • Latest: adrian.ng/cv

- developed additional material on my website to supplement these workshops
- aimed towards self-sufficiency in writing database queries/stored procedures

GDPR Pipeline Technical Lead

- integrated new GDPR schema into existing datastores (SQL, Salesforce)
- provide schema specification to SQL developers, advocating for indexable data types
- built efficient MERGE process featuring relational database design
- implemented a process to wipe personalised data belonging to any non-consenting individual stored in our data-warehouse

CREATOR (NOW INSPIRED THINKING GROUP)

Senior CRM Campaign Executive

SQL Development

Dec. 2013 - Sept. 2016

I developed a number of SQL processes to transform customer data into CRM segments. On occasion, I took responsibility for resourcing and managing the team's workload in *Jira*.

Virgin Media Segmentation

adrian.ng/SQL/recursion adrian.ng/openquery-xml

Built a flexible segmentation process able to accommodate the numerous VM mailings and myriad ad-hoc configurations.

- wrote a flexible import process to efficiently ingest millions of tuples distributed across multiple flat-files, gaining time-savings over the built-in import wizard
- achieved efficient joining of local and remote tables via use of OPENQUERY, XML, dynamic SQL
- implemented efficient regex parsing via recursion, producing a one-to-many tuple mapping