



# DANIEL ROYTEL

DATA ENGINEER

## CONTACT

0450 781 162

DANIELROYTEL@GMAIL.COM

MELBOURNE, VIC

## SUMMARY

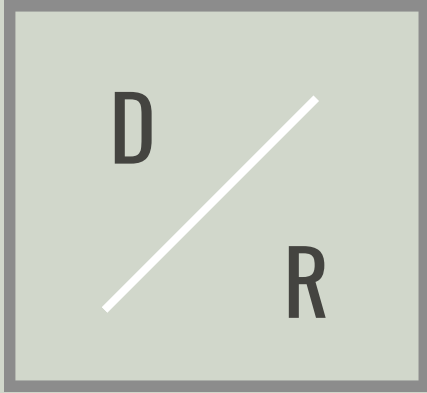
Highly experienced Data Engineer with over 10 years in the banking industry and recent exposure to the fast-paced wagering sector. Proven ability to deliver impactful data solutions by leveraging a strong foundation in modern data stack technologies (AWS, Azure, Spark, Databricks, Kafka), event-driven architecture, and IaC principles. Passionate about enhancing developer experience, architecting scalable data platforms, and operationalizing ML models to drive business outcomes and power customer-facing experiences. Seeking a challenging role where I can contribute to building robust data infrastructure that directly supports product innovation and user engagement.

## SKILLS & ABILITIES

- Cloud Platforms: AWS (Certified Developer, Analytics Platform), Azure (Certified Dev/Data Engineer)
- Programming & Scripting: Python (incl. PySpark), SQL, Bash
- IaC (Infrastructure as Code) & containerisation: Terraform, CloudFormation, Ansible, Docker, Kubernetes
- Data Processing & Orchestration: Apache Spark, AWS EMR, Databricks (Certified), Apache Airflow
- CI/CD & Dev Tools: Git, Jenkins, GitHub Actions, DataHub, Kafka, AWS Glue, Hive Metastore
- Key Concepts: Developer Experience Enhancement, Scalable Data Platform Architecture, Cloud-Native Systems, Data Governance & Security, Agile, DevOps

## CAREER HIGHLIGHTS

- Engineered and deployed high-performance Spark pipelines to migrate over 5 billion records to the AWS Deltalake Platform (ADP), directly supporting the Key Expected Margin Data Science Model. This initiative slashed key report generation time from 6 hours to 1.5 hours, significantly accelerating data availability for business decision-making
- Spearheaded the development and deployment of a standardized PySpark framework at NAB, driving adoption across 3 engineering teams. This framework accelerated data asset creation by 30% and significantly improved code consistency and reusability.
- Developed and implemented critical Homeloan funnel reporting for approximately 600 Home Loan Bankers at NAB (Contact Centre and Branches). This directly contributed to a ~10% increase in loan approval-to-drawdown conversion rates and a 33% reduction in time to unconditional approval (from 12 to 8 days).



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## RESUME

### Data Engineer -Data Platforms

Sportsbet | February 2023 - Current

- Engineered and executed Spark pipelines, successfully migrating billions of records to the AWS Deltalake Platform (ADP), establishing it as the central data source for approximately 1,300 employees. The Platform supports 1.2 Million Customers and 1.2 Billion bets per year and a 10x decrease in latency compared to the legacy DataWarehouse.
- Developed event-driven data ingestion solutions using AWS Glue and Kafka Streaming to handle 2 Million records per second across the various streams
- Managed cloud infrastructure using CloudFormation (IaC) and automated deployment processes with GitHub Actions CI/CD. Reduced deployment time by approximately 30% and significantly decreasing risks of error or misconfiguration.
- Contributed to the configuration and deployment of DataHub, significantly improving data discovery and governance capabilities. This enabled a full end to end lens of the data lineage, data sources and PII tracking across the Data Platform
- Led architectural discussions to enhance the API ingestion framework decreasing development time by 25% and mitigating risks and issues of a single api ingestion engine.
- Mentored colleagues, facilitating their transition from traditional DWH practices to modern ADP Datalake/Lakehouse technologies, fostering team growth and adoption of new platforms.

### Senior Data Engineer – Personal Bank Data & Analytics

NAB | November 2021 - January 2023

- Maintained and supported the PBDA analytics platform stack (Redshift, Airflow, Spark, Jenkins), ensuring high availability (98% uptime) and optimal performance for critical analytics. Delivered a robust disaster recovery solution using Infrastructure as Code (IaC), achieving 4-hour Recovery Time (RTO) and Recovery Point Objectives (RPO) during AWS Availability Zone failures.
- Enhanced developer experience and accelerated delivery for five analytics and data science teams by providing expert support and fostering skill development in platform governance, CI/CD, and secure GitHub deployment. Drove the adoption of Data/DevOps practices, ensured effective change management, and improved security by implementing GitHub hooks to prevent credential exposure.
- Developed and deployed a reusable PySpark framework adopted across 3 engineering teams, reducing the average development time for new data assets by an estimated 30% and improving code consistency.
- Implemented key platform upgrades, including Hive Metastore integration, and managed Airflow configurations using Terraform (IaC) improving ingestion time by between 20-30% for the bronze layer leveraging Redshift Spectrum.
- Utilized Docker/Compose for containerization and contributed to the architectural vision for improving platform usability for analysts.
- Mentored junior engineers and interns, providing guidance and fostering problem-solving skills within the team.

## RESUME

### Senior Analyst / Data Design – Enterprise Data Insights/Legacy Transformation

NAB | April 2019 - October 2021

- Developed, maintained, and managed key data pipelines to deliver on business outcomes and reporting.
- Liaised with colleagues and stakeholders to determine business requirements and design data models to support business insights and solutions.
- Wrote code to transform data, addressing business needs with a microservices approach.
- Applied Medallion data architecture in a legacy environment.
- Developed the Q50 Report combining ServiceNow, Finance, Tech Debt and license costs providing a complete and attributed view of all technology costs within NAB, directly enabling the finance team and Service Owners to perform targeted cost reductions and remediation of tech debt.

### EARLY CAREER AT NAB (MAY 2012 - MARCH 2019)

- **Data Analyst – Workforce Optimisation/Modelling (September 2018 - March 2019):** Developed and maintained Tableau dashboards, performed ETL development, engaged with business stakeholders to collect and shape requirements, and supported workforce consultants in delivering change initiatives.
- **Analyst & Reporting Specialist (September 2014 - August 2018):** Built and updated business and banker level reporting using Microsoft SQL and Microsoft Excel; liaised with internal stakeholders to build and update reports per their requirements to effectively view and manage their performance; provided ad-hoc analytics to draw attention to potential process or banker performance issues.
- **Value Servicing Advisor (September 2013 - August 2014)**
- **Business Servicing Advisor (January 2013 - August 2013)**
- **Internet Banking Support Advisor (May 2012 - December 2012)**



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