

Nicholas Brenwald

London, UK

☎ On request

📄 <https://github.com/nbrenwald>

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Experience

2012–Present **Solution Architect**, DEUTSCHE BANK, London.

Hands on solution architect for Treasury. Responsible for a collection of Java based back office Treasury applications and an Oracle based reporting platform. These are used for Regulatory Reporting, Liquidity Coverage Ratio (LCR), internal Stress Testing and Asset Liability Management

Detailed achievements:

- Awarded highest grade, "Exceptional", for year end reviews 2012 and 2013,
- Simplified Treasury's technical landscape by moving to a micro-service style architecture with services covering security, audit, business rules and business calculation vectors. Micro services developed in Java exposing RESTful web services allow our business to be more agile and more reactive to change,
- Created a detailed proposal to migrate our core infrastructure to an in-memory solution based on SAP HANA capable of allowing our business to model and aggregate over a billion cash flows in realtime (sub second),

2009–2012 **Lead Software Engineer**, DEUTSCHE BANK, London.

Lead engineer on LiquiPlus, a cash flow reporting platform used for managing liquidity. Role involved technical leadership of a distributed team of developers based in London, Ukraine and India.

Detailed achievements:

- Developed a new Oracle based reporting Datamart. By following established Dimensional modeling techniques, report generation times were reduced from many minutes to under 10 seconds,
- Designed a PL/SQL based data loading framework to allow multiple sources to be loaded in parallel. Reduced our recoverability time from over 6 hours to under 1 hour,
- Reduced operational risk by on boarding 100+ key internal liquidity reports,
- Built out an offshore team in Ukraine, interviewing, training and mentoring,

2004–2008 **Software Engineer**, AMADEUS, Nice, France.

Amadeus Altea Revenue Management. Developed a Java based data processing application used for processing passenger booking records. Cleaned data was used for reporting key airline metrics such as RPK (Revenue Passenger Kilometre).

Amadeus Altea Inventory. Airline Inventory system written for British Airways and Qantas. C++ development of new feature requests and bug fixes.

Education

2000–2004 **Masters of Engineering - Computing**, Imperial College, London, 2:1.

Interests Algorithms, Functional Programming with Haskell

Skills

Programming **Java**, **Javascript**, **PL/SQL**, HTML, CSS, Haskell (prior experience), C++ (prior experience)

Persistence **Oracle RDBMS**, **SAP HANA**, Essbase

Products **Oracle Business Intelligence (OBIEE)**, Hyperion EPM, Oracle Financial Services Analytic Applications (OFSAA), SAP Liquidity Risk Manager

Languages

English Mother tongue

French Fluent