Nicholas Brenwald

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☎ On request
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Experience

2012–Present   **Software Engineer and Architect**, Deutsche Bank, London.

Software Engineer and Architect on TIGAR, a multi-year transformation program. Responsible for a collection of Java applications and a reporting platform powered by SAP HANA. These are used for Regulatory Reporting (Liquidity Coverage Ratio (LCR), Fed5g), Stress Testing, Asset/Liability Management.

Detailed achievements:
- Designed the architecture for a new SAP HANA based platform responsible for liquidity modelling and external reporting. Provides the ability to aggregate over 1 billion cash flows in under a 1 second which is 2 orders of magnitude greater than the prior system,
- Simplified Treasury's technical landscape. By moving to a micro-service style architecture, we were able to refactor several existing Java applications reducing total lines of code by 20%. Services covered security, audit, business rules and business calculation vectors,
- Updated Treasury applications to use Deutsche Bank's standard software lifecycle. Builds performed by Maven, code artifacts deployed to Nexus, quality and coverage managed by Sonar, continous integration moved to Team City. This was instrumental in allowing us to move to fortnightly releases,
- Awarded highest grade, "Exceptional", for year end reviews 2012 and 2013.

2009–2012   **Software Engineer**, Deutsche Bank, London.

Lead software 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.

2006–2008   **Software Engineer**, Amadeus, Nice, France.

Developed a new, Java based data processing module used for processing passenger booking records into Amadeus Altea Revenue Management.

2005–2006   **Software Engineer**, Coframi (part of Akka Technologies) , Nice, France.

C++ developer working on a project at Amadeus. Helped build Amadeus Altea Inventory, an airline inventory system.

Education

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

Favorites   Alogrithms and Data Structures, Functional Programming with Haskell, Operations Research

Skills

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

Persistance   **Oracle RDBMS**, **SAP HANA**, Essbase

Products   **Oracle Business Intelligence (OBIEE)**, Hyperion EPM, SAP Business Objects

Languages

English (Mother tongue), French (Fluent)