

Shahzad Zafar – Career Highlights

ASX Real-Time Market Data Integration – Online Trading Systems (1999–2002)

Lead Developer & Solution Architect

Led the design and delivery of one of Australia's first real-time, browser-based ASX market data platforms. Granted full authority over technology selection, architecture, and implementation.

Key Achievements:

- Built core market data interface in Visual C++ for low latency and high stability.
- Developed a Java–C++ integration bridge enabling browser-based Java applets to interact with native C++ code — rare at the time.
- Pioneered SMS price alerts using database triggers.
- Designed end-of-day data workflows for client analytics.
- Implemented caching and incremental refresh logic to reduce load without losing accuracy.

Impact: Brokers and retail investors gained near real-time ASX data with innovative alerting and EOD data delivery.

Core Skills: Visual C++, Java–C++ integration, database triggers, real-time streaming, EOD batch processing, performance optimisation.

Asset Allocation System – Structured Finance Desk, Deutsche Bank (2002–2003)

Senior Developer – Credit & Fixed Income Trading

Re-engineered a flawed Java-based platform to manage and report on complex structured finance products linking multiple instruments.

Key Achievements:

- Refactored static-method Java codebase into a scalable, object-oriented design.
- Expanded instrument coverage (bonds, interest rate swaps, CDS).
- Built visual product linking views.
- Integrated a third-party reporting tool, attending vendor training to develop custom templates.

Impact: Improved scalability, accuracy, and transparency in structured finance product tracking and client reporting.

Core Skills: Java (OO redesign), structured finance, CDS, reporting tool integration, visual data presentation.

Fixed Income Trading & Pricing Systems – Deutsche Bank (2003–2006)

Senior Developer – Global Fixed Income

Enhanced legacy and new global fixed income platforms for pricing, execution, and settlement in global and Australian markets.

Key Achievements:

- Integrated with YieldBroker for automated execution.
- Built settlement workflows to prevent breaks.
- Localised the global Java-based pricing system for Australian products and conventions.

Impact: Improved pricing accuracy, trade execution efficiency, and settlement reliability.

Core Skills: Fixed income product knowledge, Java, market-specific platform customisation, venue integration, settlement workflows.

Wealth Management REP Platform Integration – Premium Limited (2006–2007)

Senior Business Analyst / Developer

Integrated Premium's SMA, tax-lot optimisation, and corporate actions engine with Asgard's wealth management platform for HNW clients.

Key Achievements:

- Designed daily XML-based portfolio integration.
- Automated tax-lot optimisation and corporate actions.
- Maintained SMA and model portfolio compliance rules.

Impact: Enabled Asgard to offer tax-efficient portfolio management without building its own back-end engine.

Core Skills: SMAs, model portfolios, tax-lot optimisation, corporate actions, XML integration.

Enterprise Investment Management Platform – Charles River Development (2007–2010)

Implementation Manager → Senior Implementation Manager – Asia-Pacific

Delivered Charles River IMS to tier-1 asset managers across APAC, covering portfolio modelling, compliance, execution, and post-trade.

Key Achievements:

- Implemented for AMP, LG Investment, GIC Singapore, China Life, CAMC Beijing, DIAM Tokyo.
- Integrated market data, OMS, and settlement systems for STP.
- Configured multi-asset compliance rules.
- Managed intense regional deployment schedule.

Impact: Modernised operations and improved compliance for major asset managers in APAC.

Core Skills: Investment management systems, compliance, market data integration, STP, global delivery.

Global FX Platform Implementation – ANZ (2011–2014)

Senior Business Analyst – Capital Markets Technology

Replaced ANZ's legacy FX platform (GFX Live) with Wall Street System across 16 international sites.

Key Achievements:

- Integrated 10+ upstream/downstream systems (Reuters, FX Connect, FX Online, accounting, settlements).
- Defined risk routing rules.
- Produced global FX workflow and reporting specifications.

Impact: Delivered unified FX trading and risk platform with real-time exposure visibility and improved execution speed.

Core Skills: FX & MM products, Wall Street System, global rollout, trade lifecycle management, interface integration.

Global Trading & Risk Platform Rollout – Vanguard Australia (2016–2017)

Senior Business Analyst (Contract)

Rolled out and enhanced Vanguard's global Charles River IMS platform in Australia, aligning local operations with global standards.

Key Achievements:

- Upgraded to v9.1, onboarded new funds (including low-volatility fund).
- Configured compliance rules and PM–trader workflows.
- Integrated custodial data and valuation requirements (IBOR/ABOR).

Impact: Aligned Australian trading and risk with Vanguard's global platform while meeting local compliance and product needs.

Core Skills: CRIMS, compliance rules, BPMN 2.0, IBOR/ABOR, XML configuration, SQL validation.

Capital Markets Data Warehouse & Regulatory Reporting – Westpac (2019–2021)

Senior Business Data Analyst (Contract)

Delivered a golden source Capital Markets Data Warehouse for global regulatory reporting and surveillance.

Key Achievements:

- Modelled data for MIFID, MAS, JFSA, CFTC compliance.
- Defined CDEs and golden source governance.
- Built pipelines in Palantir for OTC and structured product reporting.

Impact: Enabled Westpac to meet multiple global regulatory reporting obligations from a single source of truth.

Core Skills: Regulatory reporting, golden source, data modelling, Palantir, OTC/structured products, trade surveillance.

Regulatory Reporting Transformation – ANZ (2021–2022)

Senior Business & RegTech Data Analyst (Contract)

Migrated ANZ's capital markets regulatory reporting from legacy systems to a SaaS vendor platform, ensuring compliance with JFSA and MAS rules.

Key Achievements:

- Mapped data from trading systems (Murex, WSS, MIDANZ, FXConnect, Marketwire, TOMS, VOLBroker) to DTCC formats.
- Delivered JFSA DTCC re-architecture.
- Implemented reconciliation using Xceptor and TriResolve.

Impact: Improved ANZ's reporting accuracy, operational resilience, and compliance readiness for multiple jurisdictions.

Core Skills: Regulatory reporting, SaaS migration, DTCC, reconciliation (Xceptor, TriResolve), trade lifecycle data.

Low-Latency Market Data Integration – ASX (2022–2023)

Senior Business Analyst (Contract)

Led business analysis for the integration of ASX market data with CBOE's new PITCH protocol, a low-latency UDP multicast feed for order book and trade dissemination.

Key Achievements:

- Analysed CBOE PITCH protocol specifications to define ASX system requirements for order book and trade data ingestion.
- Worked with solution architects to produce detailed technical specifications for low-latency data handling.
- Defined operational workflows for real-time multicast feeds, including failover and recovery scenarios.
- Captured requirements in Jira and maintained delivery documentation in Confluence.
- Coordinated with developers and QA teams to validate feed performance, integrity, and accuracy.

Impact: Enabled ASX to meet new CBOE integration standards and ensure uninterrupted delivery of high-performance market data to trading participants.

Core Skills: Low-latency market data, UDP multicast, CBOE PITCH, order book processing, real-time systems analysis, technical specification writing, Jira/Confluence.

Investment Management Process Modernisation & APRA SDT2 Reporting – AustralianSuper (2023–2025)

Senior Business & Data Analyst (Contract)

Modernised investment management processes for Australia's largest superannuation fund, spanning asset allocation, portfolio construction, execution, and APRA compliance.

Key Achievements:

- Re-engineered workflows from asset allocation to post-trade.
- Partnered with asset class teams to define data and process requirements.
- Worked with regulatory reporting teams to define data and transformation logic for APRA SDT2 reports (securities lending, derivatives, liquidity, exposure, valuation).
- Mapped source data and transformation flows to LUSID as the golden source.
- Analysed and configured WebApp API usage; implemented APIs, SQL, and derived properties.

- Led workshops with SMEs, developers, and vendors to sign off end-to-end designs.
- Delivered change impact analysis, training requirements, and operational role definitions.

Impact: Aligned AustralianSuper's investment management workflows with modern technology and processes, while ensuring APRA SDT2 compliance and strengthening governance.

Core Skills: Superannuation industry expertise, APRA SDT2, asset allocation, portfolio construction, data mapping, transformation logic, LUSID platform, API integration, SQL, regulatory data governance.