Lucas Durand | Data & Technology Leader

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Data and technology leader specializing in enterprise data platforms, analytics enablement, and governance in regulated environments. Over a decade of experience building and scaling trusted data capabilities that support trading, risk, and enterprise decision-making. Known for combining platform strategy, disciplined execution, and people leadership to deliver durable outcomes at scale.

CAPABILITIES: Enterprise Data Strategy • Data Platforms • Analytics & AI Enablement • Data Governance & Quality • Operating Models • Developer Experience • Organizational Leadership✉

Experience

TD Securities *(2016–Present)*

Progressive technical and leadership roles delivering modern data platforms, analytics, and cloud capabilities within a top global investment bank. Combines deep technical expertise with strategic vision to build scalable, trusted data systems that accelerate business outcomes. Recognized with top-tier awards for transformational contributions.

Director, Data Platform & Analytics

I lead a 30+ person organization spanning four teams: Market Data Masters, Reference Data Masters, Data Quality & Governance, and Data Science Engineering. Together, we own dealer-wide data platforms supporting trading, risk, compliance, and analytics, combining strategy, execution, and governance to deliver trusted, scalable data products across TD Securities.

Leadership focus: building platforms that empower teams to move fast safely, using guardrails instead of gatekeepers.

Impact & Outcomes

- Defined and executed a multi-year data platform roadmap aligned with trading, risk, and finance priorities.
- Modernized market and reference data platforms into trusted, product-oriented "golden sources" used across onboarding, risk, and reporting.
- Shifted the organization from reactive data remediation to proactive data quality and observability.
- Scaled analytics and ML enablement platforms to broad enterprise adoption.

Selected Highlights

- Owned enterprise data platform strategy supporting trading, risk, and analytics in a regulated environment.
- Delivered trusted market and reference data products, materially reducing operational remediation.
- Enabled analytics and ML delivery through self-service platforms with embedded governance.

Vice President, Data Science Engineering

Led the build-out of enterprise analytics and data science engineering capabilities, bridging quantitative teams and core technology to accelerate analytics delivery in a regulated environment.

- Built and led a high-performing engineering team delivering Python infrastructure, notebooks-as-code, and analytics tooling.
- Served as primary liaison between quantitative teams, IT security, and business stakeholders.
- Enabled analytics delivery 10–25× faster than traditional technology processes.
- Grew platform adoption organically to 1,000+ users across technology, business, operations, and support.

Software Engineer Technical Lead

- Architected TD Securities' first centralized JupyterHub+ platform (serving [400+] users), reducing prototyping time by 70%.
- Mentored junior engineers through code reviews and best-practice workshops (adopted org-wide).

Recognition

- **TDS Pinnacle Award of Achievement** (Top 0.1% performance).
- **TD Vision In Action Award** (1-in-1000 enterprise-wide recognition).

Earlier Roles

Software Engineer: Designed early architecture and launch of the TDS Notebooks Platform; spoke at PyCon CA ([talk link](#)).

Quantitative Developer: Implemented derivatives pricing models, Python integrations for C++ libs, founded "Knowledge Academy" learning series ([GitHub](#)).

National Bank Financial Markets (2014-2015)

Trade Floor Application Analyst

Supported institutional equities trading desks through development of analytics, data pipelines, and visualization tools. Gained early exposure to electronic trading, market data, and front-office workflows that continue to inform platform and data strategy decisions.

Education

MSc, Theoretical Physics - York University
Research focus in theoretical physics; extensive experience in quantitative analysis, modeling, and scientific computing.

HBSc, Physics & Philosophy - University of Toronto

Visiting Researcher - Perimeter Institute for Theoretical Physics

Additional teaching experience during graduate studies (Teaching Assistant, Physics).

Contact

I'm generally interested in contributing to innovative organizations through partnership, collaboration, and teaching. Let's connect!