Conor Donohue

Technical Manager/kdb+ Developer

A results-driven kdb+ developer with a strong background working in well-established financial institutions. Experience includes optimising reporting and research platforms, leading technical projects, and developing flexible analytics frameworks. Excels in problem-solving, teamwork, and continuous improvement. Passionate about leveraging technology to drive business success and contribute to high-performing teams.

Employment History

Technical Manager
Connor, Clark & Lunn Financial Group (CC&L)

Duration: 2024.01 – Current

Location: Vancouver, BC, Canada

- Implemented Optimisations for post trade analytics platform that is now seeing the total run time of the system decrease by up 20% while running up to 6x the number of jobs compared to previous year.
- Set up Post Trade Analytics for Affiliate Hedge Fund in one quarter.
- Co Ordinator for expanding our cloud analytics and data usage.
- Joined Company's Continuous Improvement Committee to help improve company culture and reduce waste.
- Led Company wide campaign to reduce automated reports/audits to free up resources and time.
- Mentored junior staff members, fostering a supportive environment, and promoting professional development

Senior System Analyst
Connor, Clark & Lunn Financial Group (CC&L)

Duration: 2023.01 - 2023.12

Location: Vancouver, BC, Canada

- Acted as technical lead of the data migration and analytics/pipelines creation to Azure.
- Led Internal Stakeholder meetings.
- Owner of Communication Updates and negotiated roles and responsibilities across multiple departments.
- Reduced Technical Debt by decommissioning outdated Excel Templates for reporting purposes.
- Created Automated Pipelines to connect on premise kdb+ data to the cloud version of Power BI
- Helped reduce manual Jira data requests for this data set by up to 33% freeing up capacity on business teams.

System Analyst
Connor, Clark & Lunn Financial Group (CC&L)

Duration: 2021.10 - 2022.12

Location: Vancouver, BC, Canada

- Co-ordinated and Led Company wide kdb+ upgrade from V3.5 to V4.
- Integrated and rolled out new kdb+ IDE with internal authentication setup.
- Lead on creation of flexible analytics framework to allow business users the ability to create custom analytics that leveraged a new Bloomberg data set.
- Lead Assessment on Data Visualisation Platforms and how they would integrate into CCL's kdb+ Platform.
- Tableau, Grafana and Power BI were some of the tools assessed.
- Optimised Existing Analytics platform to scale efficiently.

Contact

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Education

National University of Ireland, Galway

2013-17

B.Eng. Electronic and Computer Engineering

- 1st Class Honours

Udacity

2019

Machine Learning Engineer Course

Skills

Q/kdb+

Python

Power BI

Azure

DevOps

AWS

Bash

Project Management

Kx Platform

Lead kdb+ Developer for ASIC

Kx

Duration:
2019.05 -
2021.08

Location:
Sydney,
Australia

- The role centered on the development, upgrade and analysis of alerts and reports to detect market infringement patterns.
- Developed Machine Learning examples using Market Data
- Created FICC data loaders, analytics, and dashboards to allow Business Users to query and analyse new datasets.
- Developed a back testing framework to allow Analysts to replay data with modified threshold settings to reduce false positives.
- Leveraged cron jobs to created chained tickerplants to establish parallel data feeds from on prem servers to AWS.
- Built data loaders to take e-communications data and load/extract attachments, including emails, attachments and password protected zip files.
- Upgrading legacy code to newest version of kdb+ and Kx Platform while simultaneously migrating to AWS.
- Created build and deployment framework which used Jenkins, Azure DevOps, Git and Octopus.
- Identified and raised bugs in V4 of kdb+ to the core Kx team.

Team Lead for kdb+ Support Cluster

Kx

Duration:
2019.02 -
2019.05

Location:
New
York,
USA

- kdb+ developer and team lead supporting six different projects.
- This required managing a team of four other developers, release planning as well as development of new features for the individual platforms.
- The projects supported ranged from but was not limited to Surveillance Implementation for US Based Exchange, Real time HTML5 interface for Mexican Stock Exchange displaying market/broker information and maintaining and supporting a pharmaceutical data warehouse.

kdb+ Developer for IEX

Kx

Duration:
2018.09 -
2019.05

Location:
New York,
USA

- Fine-Tuning Alerts. This required back-testing of alerts using historical data and comparing results against known true and false positives.
- Creating new alert logic from specifications given by quants and integrating this into the Surveillance Architecture.
- Replicated kdb+ tick flow of data to recreate the triggering of alerts and debug results.
- Liaised with Data team to detect and analyse true/false positives/negatives in alerts.
- Creating new alerts to detect cancelled orders before the market close.
- Creation of alert reports which returned detailed statistics on the alerts triggered throughout the system.

Lead kdb+ Developer on Pharmaceutical Project

Kx

Duration:
2017.08 -
2019.03

Location:
New
York,
USA

- Developed real-time monitoring for various business-critical kdb+ applications and loading processes. Automated messaging interfaces were also built.
- Integrated with other technologies such as Oracle and Apex to handle the transfer of data to/from these technologies by using ODBC connections along with other solutions.
- Upgraded kdb+ and Delta Product suite to latest version in both development and production environments.