

# MARK STREET

## Technology Sherpa; simplifying tomorrow

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## OVERVIEW

16 years industry experience, providing guidance & direction in addition to hands-on implementation across the entire tech stack. Thrives on creating effective solutions that make tomorrow easier and more productive than today.

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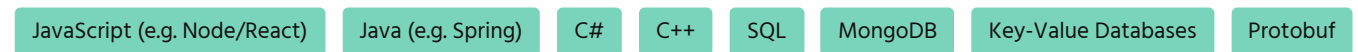
## SKILLS

*Jack of most trades; Master of some.*

Comfortable and competent in the following:



Capable of doing these with some help from Google:



## KEY ACHIEVEMENTS

- Cobalt - Reduced AWS monthly cost by 33% whilst simultaneously doubling number of EC2 instances
  - Saxo Bank - Migrated KDB Trading Platform from NY4 to LD5
  - Saxo Bank - Reduced KDB license requirement from 26 cores to 8
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## JOBS

### Tradefedr

March 2021 to Present

*Democratising trade analytics; enabling seamless collaboration between the buy- and sell-side.*

#### Software Engineer\*

One of two employees doing everything and anything related to Technology...

\*"VP / Head of Engineering" feels a little grandiose given the size of the company.

- Deployment of our Dashboard offering powered by AWS QuickSight to 50+ clients; Lambda, S3, Amplify, etc.
  - Deployment of new Jupyter-based front-end platform on K8s/Azure to 100+ clients.
  - Re-write (Python) + deployment (K8s) of new back-end platform
  - Implemented CI/CD (Jenkins) for Development workflows; single-click deployments to Production
  - Rolled out Ansible per 'Infrastructure-As-Code' paradigm, 30+ VMs, 100+ clients, 500+ users
  - Wrote a price feed service to consume realtime FIX prices from PrimeXM
  - Wrote a price feed service to consume near-realtime FX prices from LSEG APIs
  - Employee #4 (of 5), Tech resource #2
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### Deutsche Bank

September 2020 to March 2021

*Equities division.*

#### Lead KDB Developer

Worked on migration of KDB codebase over to BNP Paribas

- KDB Tick related activities
  - Level 2 Support
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### CobaltFX

July 2018 to June 2020

*Cobalt simplifies middle- and back-office reconciliation by creating single, immutable records from FX trades and storing on a shared ledger.*

*Acquired by UnitedFintech in 2022.*

## Head of Engineering

December 2018 to June 2020

The HoE title was inherited following the departure of the CTO.

- Ownership and oversight of everything and everyone Technology-related; Architecture, Development, QA, Infrastructure, Deployment
- Managed team of 5 on-site engineers; oversaw team of 10 near-shore developers
- Ran "Reno" project; re-architecture and from-scratch rebuild of Cobalt core platform, switching from KDB to Java
- Ran "Babylon" project; blockchain-like platform leveraging key-value database, handling 1M transactions/second
- Fully hands-on across all aspects of the role
- Defined and implemented CI/CD best practices
- Vendor evaluation and selection process

## Business Analyst

July 2018 to December 2018

Turned wish-list requirements into technical, functional specifications, and worked with Developers to implement.

- Employee #11
- Interface between Product and Development teams
- Wrote technical specifications
- Supported QA with scope of functional testing

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## Credit Agricole CIB

January 2018 to July 2018

*The investment arm of the world's largest cooperative institution.*

### KDB Developer

6-month contract position

- Day-to-day ownership of 2x (FX) KDB Tick and Analytics platforms
- Rewrote legacy core libraries (gateway, logging, ipc)
- Wrote a web UI to allow simple analysis of client trades versus hedges

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## Saxo Bank A/S

September 2012 to December 2017

*A Danish investment bank specializing in online trading and investment.*

### Principal Business Analyst (London)

September 2015 to December 2017

Development and running of a Q/KDB+ FX hedging system along with a Q/KDB+ Analytics system

- Owned migration of ECN connectivity from MarketFactory to Fluent, rewrite of FIX adapters for both pricing and trading
- Migration of NY4 trading infrastructure to LD5, including 32bit 3.2 to 64bit 3.3 upgrade
- From-scratch design and build of analytics platform; client TCA and supporting liquidity management decisions

### Senior Business Analyst (Copenhagen)

July 2014 to September 2015

A bridge between Business and IT; also responsible for building and running small POCs.

### Automation Test Engineer (Copenhagen)

September 2012 to June 2014

Building out test automation of the various FIX engines used within the Bank

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## Greenline Financial Technologies (was CameronTec, now Itiviti)

July 2010 to September 2012

*Financial Services consultancy also providing tools and tech with a focus around the FIX protocol.*

### Financial Systems Analyst

On/Off-site consultancy, heavy focus on Test Automation, predominantly around FIX (4.0 -> 5.0SP2). Clients included the London Metal Exchange, Bourse Direct, MF Global, Thomson Reuters, Deutsche Bank & more.

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## Fidessa (now Ion)

August 2008 to July 2010

*Providing technology solutions to both buy- and sell-side firms.*

### FIX Connectivity Engineer

Performed a mix of FIX Conformance/Onboarding, FIX Gateway upgrades & 3rd-Level Support

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## EDUCATION

### University of Southampton

August 2004 to July 2007

## INTERESTS / CONTACT

Outside of work:

- Writing code / Golfing code
- Running

Get in touch via:

- [mkst@protonmail.com](mailto:mkst@protonmail.com)
  - [LinkedIn](#)
  - +447464486203
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