MARK STREET
Technology Sherpa; simplifying tomorrow

OVERVIEW

15 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.
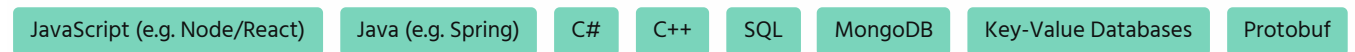
SKILLS

Jack of most trades; Master of some.

Comfortable and competent in the following:

`Software Architecture` `Automation` `Agile / Scrum` `DevOps` `CI/CD` `Q/KDB+` `Python` `Ansible` `Docker`
`Jenkins` `Unix` `git` `Testing` `HTML/CSS` `REST` `FIX Protocol` `AWS/Azure` `FX` `Analytics` `K8s`

Capable of doing these with some help from Google:

`JavaScript (e.g. Node/React)` `Java (e.g. Spring)` `C#` `C++` `SQL` `MongoDB` `Key-Value Databases` `Protobuf`

KEY ACHIEVEMENTS

- Cobalt - Reduced AWS monthly cost by 1/3 whilst simultaenously 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

JOBS

Tradefeedr
March 2021 to Present

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

"Software Engineer"

Doing everything and anything related to Technology…

- Deployment of our Dashboard offering powered by AWS QuickSight
- Deployment of new front-end platform on K8s/Azure
- 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
- Employee #4, Tech resource #2

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

Cobalt
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.
Aquired 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 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

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

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

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.

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

EDUCATION

University of Southampton
August 2004 to July 2007

Computer Science BSc Hons

INTERESTS / CONTACT

Outside of work:

- Writing code / Golfing code
- Running

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