

# ABRAÃO MOTA

Full stack Lead Engineer & Architect with a passion for technical excellence

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## EXPERIENCE

Data Platform - Lead Engineer (Executive Director)  
Goldman Sachs - Asset Management - Client Services Engineering  
07/2023 - Present London

- I'm a hands-on lead engineer & architect for the CSE Data Platform. The team handles data ingestion, processing, & vending to a variety of downstream consumers. CSE owns Investor **datasets spanning millions of records**, used over **10,000x/day** for Client Servicing & Reg Reporting activities, including self-service reporting.
- I exert **design influence & oversight** on key strategic Data Platform projects. This recently included Document Digitisation-aaS, custom ETL service cloud guardrail upgrades & a Data Governance framework. I create, evaluate & debate designs, and perform code-reviews.
- Currently focused on designing & creating a cloud-based, highly performant **Positions & Transactions Ledger**, consolidating investor data across all **6,000+ GS funds**.

Fund Investor Oversight - Team Lead (Executive Director)  
Goldman Sachs - Asset Management - Client Services Engineering  
01/2023 - 06/2023 London

- I **managed** a new squad that grew from **3 to 8 devs in 3 months**. I planned & executed on a strategic roadmap to fulfil regulatory & client reporting obligations. This included creating a tactical Client Reporting platform (Report Scheduling, Data Generation, Rendering & Delivery).
- I re-designed the team **data strategy**, leveraging new ETL/ELT techniques, using a Datalake & managed **40+ load-balanced API's** to serve data to various internal customers. This work led to the creation of my current Data Platform team & aligned to the decommission of legacy systems by consolidating data sourcing mechanisms.

Strategic Client Services - Senior Software Engineer (Associate)

Goldman Sachs - Asset Management - Client Services Engineering  
01/2020 - 12/2022 London

- SNOW - I spearheaded a 6 month vendor integration to overhaul the global client servicing strategy for Alternative Fund investors. I **managed** the technical direction of a **team of 6 developers**, managing cross-functional stakeholders & unblocked the project from technical & compliance risks. I used Python to tactically migrate **30k+** historical customer service records into the new system, which has handled **100k+ enquiries 1 month after go-live**. The new system enabled customer analytics tracking for the first time ever, which are being used for sentiment analysis.
- CSD - Upgraded the infrastructure of the CSE **flagship micro-service application** to a containerised solution using **Kubernetes**. This created SSL certificates across environments & load-balanced business critical traffic with **99.9% uptime**. This standardised containerisation approach facilitated the conversion of 3 further apps within my immediate org.
- SSDS - I was the **lead designer & key individual contributor** for a document tagging & storage service with high uptime & availability requirements. It has **reliably scaled to store 10,000's** of documents as a backend to an externally facing website. This service was developed using **SpringBoot, Kafka, Amazon S3, MemSQL / SingleStore & MongoDB**
- I have **coached** others by leading intern projects & encouraged technical excellence within my team by instituting monthly calls to discuss **software craft**, new technologies & other topics of interest.

## SKILLS

**System & Architecture Design** • **Kubernetes** •  
**AWS** • **Java** • **SpringBoot** • **Python** • **Kafka** •  
**Linux** • **RDBMS** • **NoSQL** • **SQL** • **Data Platform** •  
**ETL** • **Graph DBs** • **SingleStore / MemSQL** •  
**Project Management** • **REST APIs** • **DevOps** •  
**Microservices** • **Angular** • **React** • **IAC**

## EDUCATION

Masters of Engineering - Computing  
Imperial College London - 1st Class Honours  
2014 - 2018

## ACHIEVEMENTS

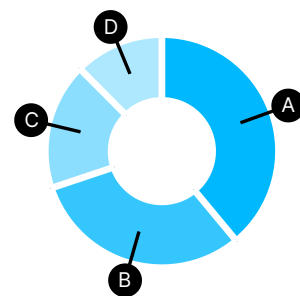
Operational Excellence Risk Posture Pod Lead  
Designed a brand-new **risk posture & audit programme** to highlight risky applications in a 120+ Engineer Organisation.

Client Service Engineering - Tech Talks  
Eager to make the complex seem simple - I've given internal **tech talks** including *Kubernetes 101*, *AWS Made Simple* & *How to run POC's*

Client Service Engineering - Bar Raiser  
Nominated as a **Bar Raiser** in training for my design contributions across the organisation

AWS Certified Cloud Practitioner Certification  
Obtained March 2024

## MY TIME



- A** Design & Strategy
- B** Coding
- C** Code Review
- D** Bar raising, mentorship & software craft

## LANGUAGES

English Native ●●●●●  
Portuguese Native ●●●●●  
Spanish Proficient ●●●●●

## EXPERIENCE

### Strategic Client Services - Software Engineer (Analyst)

Goldman Sachs - Asset Management - Client Service Engineering

07/2018 - 12/2019 London

- I digitised **2 large-scale client onboarding workflows**, resulting in operational headcount **savings worth over \$2M**.
- I have also implemented an **OCR solution to hydrate workflows** based on client submitted data, resulting in **100's of hours operational savings** per year and reduced double-keying risk

### Software Developer (Internship)

Unboxed / char.gy 04/2017 - 09/2017 London

- I worked for char.gy, an EV vehicle charging startup. As this product was still in beta & alpha stages, I was involved in many tasks, including **charging point custom protocol** enhancements, marketing journey **email tracking** for better E2E tracking, as well as direct customer interactions.
- I worked on the **UK Government Petitions** website, implementing **security patches** & frontend updates for a Ruby-on-Rails website used by millions of UK citizens.