

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 & 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 - Lead Engineer (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).
- Alongside the above, I re-designed the team **data strategy**, leveraging new ETL/ELT techniques, using a Datalake & handling **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.

Strategic Client Services - 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 also captures customer analytics and has digitised phone enquiries via AWS Connect.
- 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 within the org of 120+ engineers, facilitating the conversion of 3 further apps.
- 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'

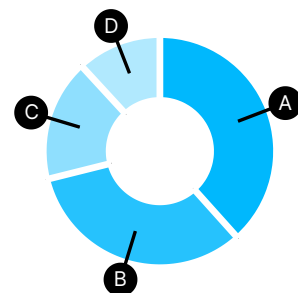
Client Service Engineering - Bar Raiser

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 Services 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** & direct customer interactions & face-off.
- I worked on the **UK Government** petitions website, implementing **security patches** & frontend updates.