

Abraão Mota

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Full stack engineer & system architect with a passion for technical excellence

Education

Imperial College London, London, United Kingdom 2014 - 2018
Computing MEng - First Class Honours
A-Levels: Maths, Further Maths, Physics, Economics (AS only) -A*AAB 2012 - 2014

Work Experience

Goldman Sachs - Asset Management - Client Services Engineering

Lead Software Engineer - (Executive Director) Jan 2023 - Current

- Have led a team of 8 devs since January. Executed on a strategic roadmap to fulfill regulatory & client reporting obligations. More recently, have 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 also aligns to the decommission of legacy systems by consolidating data sourcing.

- Have used a variety of technologies in my tenure, including **Java, Python, Kubernetes, MongoDB, SybaseIQ, MemSQL, Kafka, SpringBoot, Angular, SQL, Graph Databases** to name a few.

Software Engineer - (Associate) Jan 2020 - Dec 2022

- Led a 6 month integration with a vendor to overhaul the global client servicing strategy for a product line. I co-ordinated a team of 6, unblocking the project from technical & compliance risks. Used **Python** to tactically **migrate 30k+ historical customer service records** into the new system, which has handled **100k+ enquiries since go-live**. The new system now captures customer analytics and has digitised phone enquiries via AWS Connect.

- Upgraded the infrastructure of our flagship microservice application to a containerised solution using **Kubernetes**. This created SSL certificates for all environments & load-balances business critical traffic with **3 9's uptime**. This implementation paved the way for containerisation of 3+ apps since.

- Designed & implemented a SpringBoot service that tagged & stored client uploaded documents with high uptime & availability requirements. The service has reliably scaled with the increase of external, client-facing traffic. This used **Kafka, Amazon S3, MemSQL & MongoDB**.

- Have sought to coach 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.

Software Engineer - (Analyst) Jul 2018 - Dec 2019

- Digitised 2 large-scale client onboarding workflows, resulting in operational **multi-HC savings**.

- 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.

Unboxed / char.gy

Software Developer - (Internship) Apr 2017 - Sep 2017

- Worked on UK Gov. petitions website - security patches & frontend updates. Developed for Char.gy, an EV startup - charging point protocol enhancements, marketing email tracking & customer face-off.

Skills

Computing	Programming - Java, SpringBoot (Fluent), Python (Proficient), Ruby, Javascript, C, Haskell (Past Experience) Infra & other - Kubernetes, Kafka, Database design, REST API's, MongoDB, MemSQL, SybaseIQ, AWS S3, Angular, Ruby on Rails
Languages	Portuguese - Native, English - Native, Spanish - Advanced