

Avi Alkalay

Data Scientist & Data Engineer

Profile

Data professional with strong technical background combined with a long track record of business facing roles. Proven experience in planning and delivering top to bottom solutions across global enterprises and successful startups, in financial services, retail, health sectors, among others.

I've architected software to address complex business needs and have written, packaged and containerized production-grade code using multiple technologies. I work well in multidisciplinary teams (data analysts, scientists and engineers, developers, architects and sysadmins), committed to deadlines, best practices and methodology.

I'm an active writer, having published several [books](#) and many articles ranging from strategic adoption of cutting edge technology to expert technical knowledge sharing ([LinkedIn](#), [personal blog](#), [IBM Thoughts on Cloud](#)).

I'm also a public speaker and innovation evangelist.

Certifications

Follow links to see details and subjects of each certification and verify my status. See more certifications and badges I have in [LPI](#), [Acclaim](#), [Fedora Community](#).



[Certified Elite Cloud Advisor](#)



[Certified Technical Sales](#)



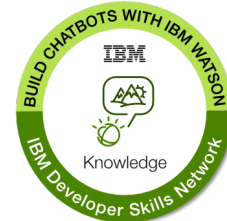
[Certified Cloud Developer](#)



[Certified Linux Professional](#)



[Certified Cloud Architect](#)



[Certified Watson Developer](#)

Nationalities and Work Permits

Europe (Portugal), Brazil and Israel.

Education

Data Science, Digital House, São Paulo — 2018

Computer Science, UNESP — 1991 to 1995

Languages

Fluent in **English** and **Spanish** for speaking and writing.

Native and fluent in **Portuguese** for speaking and writing.

Professional Experience

Data Scientist and Engineer at CI&T



JUNE 2019 — PRESENT

Large IT Services company leading Agile methodologies. My current client is [Bradesco Seguros](#). As the senior data engineer in the team, my role is to define and implement standards with good practices, including Data Streams, Data Lakes and Data Warehouses. One of my missions is to guarantee that the end-user Portal will automatically get its daily feed of business data from backend transactional systems. Also, to feed analytical data for the line of business BIs. To achieve that, I've created complex Python and Informatica PowerCenter ETLs to reliably and continuously sync large amounts of data from [Google Analytics](#), [Typeform](#) and transactional mainframe databases to data warehouses and data lakes.

Methods, practices & technologies: HADOOP · BUSINESS INTELLIGENCE · KAFKA · ETL · AWS · PANDAS · DATA WRANGLING · STATISTICAL MODELING · SQL · INFORMatica POWERCENTER · GDPR · STATISTICS · AGILE · GCP · FULL STACK · GOOGLE ANALYTICS · GOOGLE DATA STUDIO

Data Science Teacher, Lecturer, Instructor at Digital House



APRIL 2019 — PRESENT

I lead data science classes from start to end. Responsible for lessons, content and student coordination on the complete journey of the course aiming integration and absorption of all subjects. I deliver complete lectures about BI, advanced SQL, Pandas, SciKit Learn, TensorFlow, Statistical Modelling, Regressions, Time Series, Predictive Analytics, Artificial Intelligence, Full Stack, Innovation, Mobility and Data Strategy in general.

Methods, practices & technologies: MACHINE LEARNING · PYTHON · SQL · SciKIT LEARN · STATSMODELS · INFERENTIAL STATISTICS · PREDICTIVE ANALYTICS · ARTIFICIAL INTELLIGENCE · APIs · WEB SCRAPING

Referrals:

↳ [in Ivan Pagnossin](#) (Data-related Courses Coordinator) <iRamos@DigitalHouse.com>

Executive IT Innovation Architect at IBM



JUNE 1997 — APRIL 2018

In over 20 years I had many customer facing and project delivery roles. My last position was as an executive architect and thought leader for cutting edge tech, such as predictive analytics, blockchain, cloud, mobility, IoT, super-computing, integration, artificial intelligence. I have worked extensively with large global accounts as **Hyundai**, **Avon**, **Toyota**, **InBev**, **Santander**, **Telefonica**, **Petrobras**, **Embraer**, **Vale**, **Itaú**, **Bradesco**, **Sulamérica**, **Via Varejo** and many other.

Methods, practices & technologies: BLOCKCHAIN · MOBILITY · INFRASTRUCTURE · ANALYTICS · CLOUD · DEVOPS · DOCKER · C++ · SUPERCOMPUTING · IT ARCHITECTURE · SALES PITCH · PROJECT MANAGEMENT · KEYNOTE SPEAKER

Referrals:

↳ [in Agostinho Villela](#) (Latin America Innovation Director) <AVillela@br.ibm.com>

↳ [in Marcos Paraiso](#) (Cloud Platform General Diretor) <MParaiso@VMware.com>

On the web

[in LinkedIn](#) · [GitHub](#) · [k Kaggle](#) · [Personal Blog](#) · [Medium](#) · [Stack Overflow](#)

Hobbies

Jazz and classical music, Brazilian folklore, modern dance, politics and philosophy

Contact

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