Rahul Jain

Head of Business Intelligence and Data Engineering at Beat

rahulj51@gmail.com • Berlin • Germany

in https://www.linkedin.com/in/rahulj51/ • 🐦 twitter.com/rahulj51 • 🅖 rahulj51.github.io/

Summary

*I am a technical leader with **20 years of experience in building and running software products** for various domains. I have a solid track record of **delivering on business goals and technical strategy** for organizations of various sizes. I have **deep technical skills in engineering and technology**. I firmly believe in getting things done.*

Until very recently, I worked at Omio in Berlin where I led a team of data engineers and analysts to build a strong BI and data engineering foundation.

Some of my recent accomplishments include

a. Created a Business Intelligence / **data-platform strategy** for Omio and grew the platform from its nascent stage into a sophisticated, event-based, **self-service big data platform**. This platform now covers multiple data-sources, ingestion systems, storage (data warehouse and lake) as well as analytics/visualization services.

b. Set up systems and processes to enable data-ops and **self-servability** of analytics at Omio and reduced dependence on central data teams.

c. Developed strong relationships with multiple stakeholders across the organization to provide reliable data products for their rapidly growing needs.

d. Led the growth and evolution of engineering systems and architecture, successfully managing tech debt, future road-map and rapid prototyping to keep Omio's data engineering systems up-to-date.

e. Grew a motivated team of engineers and analysts with active participation in their career development.

f. Invested in **improving the ROI from data** by through multiple initiatives to improve the data culture at Omio. These include setting up a community of practice (Data Guild), introducing tools like dbt to improve Analytics workflow and setting-up team topologies to improve productivity and extract the latent value in data.

g. Successfully established **data governance** and GDPR processes within the scope of the analytics data org.

I am an engineer at heart and fairly hands-on with coding. I am also active in many open source communities in the data space.

Outside work, I am passionate about giving back to the community by mentoring budding engineers and engineering managers across the world. I offer free mentoring over hangouts as a member of a mentoring club. Occasionally, I provide consulting to startups in Europe and India on their data engineering setup.

I write frequently on data strategy, engineering and leadership on my blog, LinkedIn and Twitter.

Recent writings

Manager Feedback - 65 questions A list of questions for Manager feedback covering aspects of Psychological Safety, Purpose, Autonomy, Mastery and Delivery. [https://rahulj51.github.io/management/team/feedback/performance/2020/12/05/manager-feedback.html]

Data Team Roadmap A detailed post about my experience creating a 2021 strategy roadmap for my team at Omio. [https://rahulj51.github.io/data/planning/roadmap/2020/10/15/data-roadmap.html]

Guiding principles for a data engineering team A suggestion on a set of guiding principles that a Data Team could use as a north star in decision making. [https://rahulj51.github.io/data-engineering/principles/2020/08/29/Guiding-principles-for-a-data-engineering-team.html]

16 fundamental principles for transforming data in a warehouse Some basic principles for data transformation and data modeling. [https://rahulj51.github.io/data/datawarehouse/2021/05/11/data-modeling-principles.html]

Migrating a data warehouse across Cloud providers My experience and approach as I led my team to migrate our entire data warehouse from Redshift to BigQuery . [https://medium.com/omio-engineering/how-we-migrated-our-data-warehouse-from-redshift-to-bigquery-89f33988e1b5]

Why hiring funnels don't work and what hiring managers can do about it. [https://linkedin.com/pos
ts/rahul-jain-83055b45_the-reason-why-funnel-based-hiring-is-broken-activity-673805388
2510917632-xqTR/]

Why data lakes are an anti-pattern A short twitter thread about problems with uncurated data-lakes. [ht
tps://twitter.com/rahulj51/status/1332007621814087680]

Work Experience

Beat
ATHENS, AMSTERDAM AND REMOTE

Head of BI and Data Engineering *July 2021 – Present (0 months +)*

Leading the Data modeling and Data Governance Initiatives at Beat.

The Mentoring Club
BERLIN, GERMANY

Mentor (Part time) *Apr 2020 – Present (1 year 2 months +)*

Offering guidance and coaching to engineers and new engineering managers on varied topics such as
career growth, engineering leadership. - https://www.mentoring-club.com/the-mentors/rahul-j
ain

Omio (formerly GoEuro)
BERLIN, GERMANY

Principal Engineering Manager, BI *Nov 2017 – Jun 2021 (3 years 8 months)*

Responsibilities included:
  – Providing a vision to the team for the evolution of our data platform and data strategy.
  – Providing technical leadership to my team with respect to system design and architecture, managing
    tech debt and future planning and prototyping to keep our engineering systems up-to-date.
  – Working with multiple stakeholders including BI analysts, data scientists and other business
    functions to provide data for their rapidly growing needs.
  – Working with the engineering leadership to establish technical best practices in the area of data
    engineering
  – Growing a motivated team with regular feedback cycles and participation in their career develop-
    ment.
  – Managing data infrastructure cost
  – Managing data governance around privacy (GDPR), meta-data management and data quality
    management.

Key accomplishments:
  – Evolved the data engineering architecture from an early stage batch heavy system to a state of the
    art data platform based on **real time streaming systems**.
  – Stabilized the data pipelines from an MTBF of 10 days to 90 days.
  – Significantly improved timeliness, quality and reliability of analytics data.
  – Led the development of self serve, **real-time data ingestion platform based on Kafka and Apache
    Spark** that enabled any team at Omio to setup their own ETL pipeline to send data to warehouse.
  – Grew the BI engineering team from 4 members to 10.
  – Executed a **complex data warehouse migration project to move from Redshift to BigQuery**. This
    migration resulted in an annual saving of $200K in cloud cost.

Thoughtworks
BANGALORE, CHENNAI & BOSTON

Lead Consultant and Tech Lead *Oct 2012 – Nov 2017 (5 years 3 months)*

Key responsibilities included:
  – Technical Leadership on Thoughtworks projects.
  – Responsible for end to end delivery of product features.
  – Architecture and Design of software systems.
  – Implementing agile technical practices and processes
  – Agile Consulting

Credit Suisse   SINGAPORE
  Senior Analyst and Java Development Lead   *Jul 2007 - Sep 2012 (5 years 3 months)*
  Responsible for developing multiple java/j2ee based ETL jobs used for ingesting large volumes of
  financial market data (balance sheets, stock prices, earnings estimates etc.) into Credit Suisse's data
  products and developing several downstream processes (applications, reporting frameworks) that
  used this data. Developed web based dashboard to help our production support team monitor all
  production processes from a single platform.

Infosys   BANGALORE, HYDERABAD AND BOSTON
  Software Developer & Project Lead   *Jan 2000 - Jun 2007 (7 years 6 months)*
  Worked on various projects as a senior developer and later as a project lead. Handled multiple
  responsibilities including
  – Software development and programming
  – SoftwareDesign
  – Testing/Debugging
  – Performance testing
  – Onsite coordination at client site
  – Technical Leadership

Please refer to my LinkedIn profile for a more complete list of work experience.

Education

altMBA   ONLINE
  Leadership and management, Change making   *2021*
Indian Institute of Technology (ISM)   DHANBAD, INDIA
  Bachelor of Technology   *1995 – 1999*
  Main project on creating a simulation model of the grinding efficiency of a ball-mill efficiency based on
  feed properties.

Skills

Technical expertise:

  – Engineering Leadership, strategy, planning and execution

  – Agile software development processes

  – Software design principles and enterprise integration patterns

  – Microservices and service-oriented architecture

  – Data engineering principles and DataOps

  – CI/CD pipelines and modern software release processes

  – Programming languages - Java, Python, Scala

  – Distributed processing and storage systems - Kafka, ElasticSearch, Apache Spark

  – Cloud platforms - AWS and GCP

  – MPP datawarehouses - Redshift and BigQuery

  – Data Modeling and data warehousing. Data lake Architecture

  – ETL orchestration frameworks like Airflow

  – DevOps Toolchain - Virtualization, Containers (Docker) and Kubernetes