



RAVINDRA CHELLUBANI (RAVI)

12+ years of experience in building, leading, and scaling data teams

| Data Strategist | Architect | Team Lead | Engineer | Analyst |

Contact

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📍 Berlin, Germany

Social

🌐 [LinkedIn: Ravi](#)

🐙 [GitHub: rab4u](#)

📖 [Stack Overflow: Ravi](#)

Certifications

🏆 AWS Certified Associate Architect - 2020 to 2023

🏆 Google Certified Professional Architect - 2021 to 2024

Interests

📝 Tech Blogging
✈️ Traveling and Food
🌱 Climate Protection

Visa

🌐 Permanent Residency - German

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About Me

Who Am I?

I'm Ravi, Data enthusiast with 12+ years of experience in building, leading, and scaling data teams. Proficient in creating data-driven strategies that drive business growth and operational efficiency. Adept at architecting end-to-end data solutions, managing large datasets, and leveraging advanced analytics to support business decisions. Demonstrated expertise in data governance, business intelligence, and data cloud architecture, with a focus on delivering impactful insights across the organization.

I have extensive experience in the implementation of Data Warehouses, Data Lakes, and Data Mesh platforms tailored to the needs of centralized, decentralized, and semi-centralized organizations.

 30+ Successful Data Projects	 50+ Successful Data Hires	 10+ Successful Data Teams	 4+ Successful Tech Domains
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I have broad experience working across various domains, including e-commerce, travel, fintech, health-tech, and e-mobility, where I led data-driven initiatives that transformed business operations. My work spans customer 360 degrees analytics in e-commerce, operational efficiency in travel & fintech, and predictive models alongside real-time monitoring of e-mobility infrastructure.

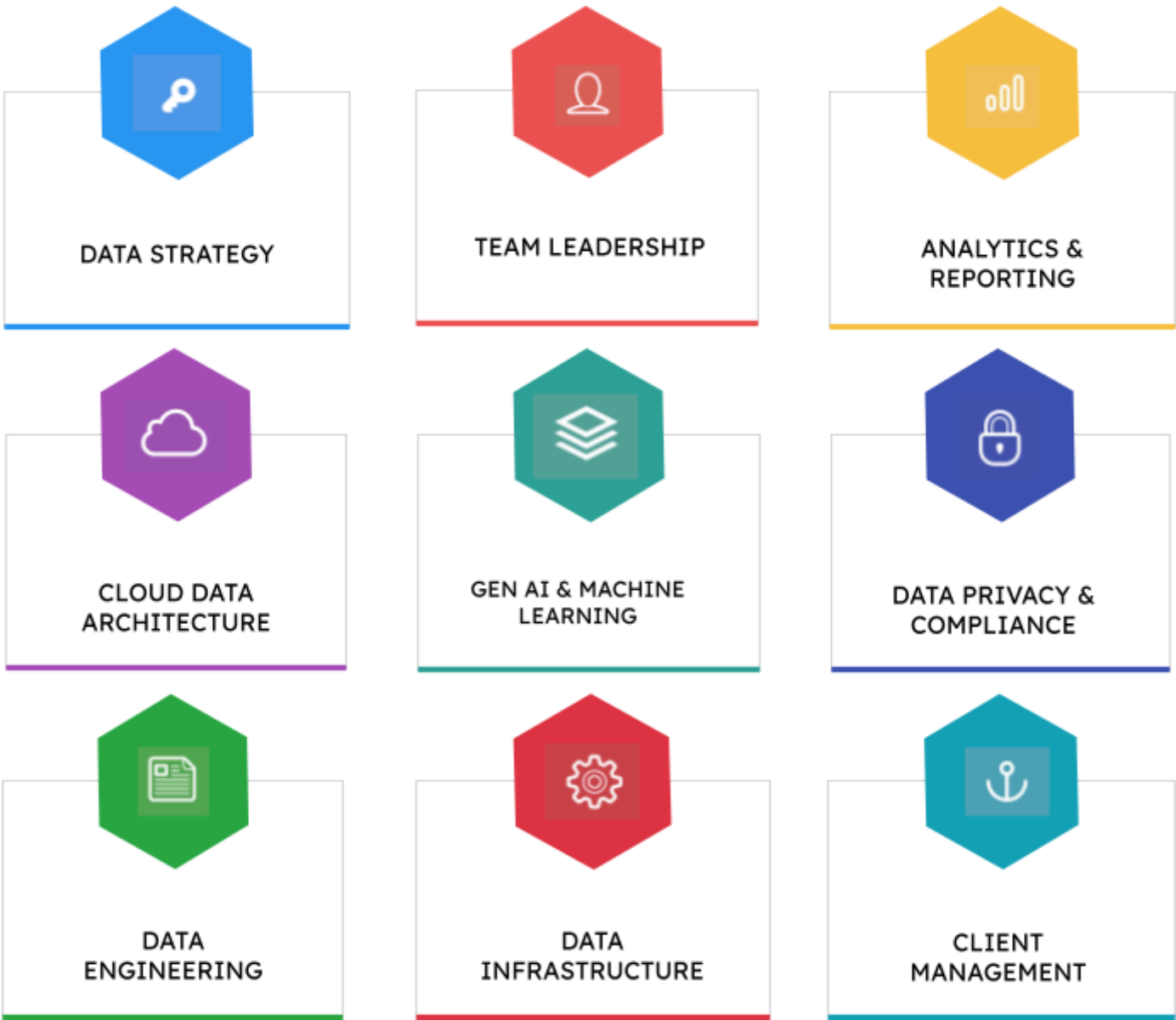
I have successfully managed multi-cultural teams from diverse countries, fostering collaboration and innovation. With a proven track record of delivering impactful solutions, I have consistently led cross-functional teams to success in highly dynamic, global environments.

Additionally, I am an AWS Certified Solution Architect and a GCP Certified Cloud Architect, bringing robust expertise in cloud solutions to my leadership

What I Do ?

Core Competencies

My core competencies lie in developing transformative data strategies that align with organizational goals, ensuring actionable insights that drive data-informed decision-making. I bring extensive expertise in leading and empowering high-performing, multi-cultural data teams, fostering an environment of collaboration and innovation across global projects. With a strong background in advanced data engineering, analytics frameworks and real-time reporting, I enable stakeholders to access critical business metrics for enhanced strategic alignment and decision making.



I am skilled in cloud data architecture on AWS and GCP, with a comprehensive understanding of data privacy and compliance standards like GDPR, CCPA, and PCI DSS. Leveraging generative AI and machine learning, delivered predictive models that elevate operational efficiency of EV Charging infrastructure. My competencies in data engineering and infrastructure ensure scalable, resilient pipelines and architectures that support seamless data integration and advanced analytics. Additionally, my client management expertise ensures alignment of data solutions with business objectives, fostering impactful, long-term partnerships.

Work Experience [12+ Years]



Head of Data [1.9 years] 2023 - Present

EVA Global GmbH - **Germany**

Overseeing the data strategy, governance, and data quality across the organization. Leading the development of predictive maintenance models and managing the creation of analytics reports and dashboards for both client-facing and internal use. Ensuring operational efficiency and data-driven decision-making by optimizing data pipelines and improving data management practices.



Data Lead [2 years] 2021 - 2022

Ada Health GmbH - **Germany**

Focused on developing analytics reports and dashboards for both client-facing and internal purposes. Led the data engineering and analytics teams to streamline reporting, deliver actionable insights, and support data-driven healthcare solutions.



Senior Data Engineer [4 years] 2017 - 2021

Idealo Internet GmbH - **Germany**, Smava GmbH - **Germany**, Emirates Airlines - **Dubai**

Developed and managed data pipelines and analytics solutions, providing key data insights that optimized business operations and enhanced decision-making processes.



Sr. Big Data Developer [5 years] 2011- 2017

GSPANN Technologies - **India**, Quantum Asia - **India**, Skill Next - **India**

Focused on big data processing, backend development, and architecting scalable systems for large-scale applications, ensuring system performance and reliability.



Assistant Professor [2 years] 2009-2011

Mahatma Gandhi Institute of Technology - **India**

Taught undergraduate students in computer science, focusing on programming, data structures, and algorithms while mentoring students in project development and research initiatives.



Here are my Technical Strengths

Technical Skills

Here is a comprehensive list of my skills, spanning advanced proficiency in cloud data architecture (AWS, GCP), data strategy. My expertise extends to data engineering, building and optimizing ETL pipelines, and data infrastructure management, with a strong focus on scalability, reliability, and security. I excel in analytics and reporting frameworks, real-time dashboarding, SQL, and Python for data manipulation, along with hands-on experience in DevOps tools and CI/CD practices to streamline deployment and operations.

Python (Expert)



Java (Competent)



Big Data (Competent)



Apache Spark, Presto / Trinio, Ice-berg, Snowflake, Databricks

SQL (Competent)



Postgres, MySQL

Data Modeling (Competent)



ER, Star schema, Snowflake schema, Data vault, Indexing, Partitioning, Clustering or Bucketing

Data Streams (Competent)



Kafka, Confluent cloud, Snowplow

Data Tools (Competent)



Airflow, Airbyte, DBT, Schema Registry, DBT Expectations, Camel, Hightouch, Fivetran

AWS (Competent)



S3, Glue, Athena, Redshift, MSK, SQS, ECS, EKS, Lambda, Kinesis, EMR, Dynamodb, MWAA, Timestream

GCP (Competent)



BigQuery, GCS, Cloud Functions, Cloud Run, Cloud Batch, GKE, BigTable

Analytics & Reporting Tools (Competent)



AWS QuickSight, Looker Studio, PowerBI, Tableau

Data Infrastructure / CI (Competent)



Terraform, Terragrunt, GitHub Actions, GitLab CI, Pulumi

Data API development (Competent)



Python FastAPI, Flask

Monitoring Tools (Competent)



Prometheus, Alert Manager, OTEL, Grafana, Elementary-Data, Re-Data

Recent Work

HEAD OF DATA

Responsibilities

- Led a global data team of 8+ engineers, data scientists, and analysts, delivering scalable data solutions to meet the diverse needs of business units.
- Spearheaded the design and implementation of the company's comprehensive data strategy, enhancing data-driven decision-making processes across multiple departments.
- Streamlined end-to-end data pipelines and reporting structures, reducing data latency from 24 hours to near real-time, resulting in more agile decision-making and operational efficiencies.
- Partnered with C-suite executives and business leaders to define key performance indicators (KPIs), such as customer satisfaction metrics and operational benchmarks, to drive strategic initiatives.
- Introduced and enforced robust data governance frameworks, ensuring adherence to GDPR, CCPA, PCI DSS, and other regulatory requirements, minimizing compliance risks.
- Led the development of a machine learning-based predictive maintenance model for electric vehicle (EV) chargers, increasing uptime by 20% and reducing operational downtime.
- Oversaw the implementation of advanced analytics platforms and reporting dashboards, providing self-service capabilities to teams and increasing data accessibility across the organization.
- Optimized cloud infrastructure for data storage, processing, and analysis, reducing operational costs while improving scalability and performance using AWS services.
- Established best practices for data quality, lineage, and security, ensuring a high standard of data integrity and trustworthiness across all business functions.

Key Projects & Initiatives

- **EVA Data Reporting API** - Designed and implemented the EVA Data Reporting API to provide clients seamless integration with key data analytics, enhancing user engagement through a secure and efficient RESTful interface.
- **Data-Vista Portal** - Spearheaded the development and deployment of Data-Vista, a comprehensive solution for visualizing and managing customer interaction data.
 - Visualizing and downloading interaction metrics across various customers and channels.
 - Accessing and downloading voice recordings for enhanced client operations.
- **Assist 360 Analytics** - Developed and launched Assist 360 Analytics, an advanced analytics solution offering 360-degree insights into EV driver and customer behavior.
 - **Customer Analytics**: Provides deep insights into customer behavior, retention/churn analysis, and engagement trends.
 - **Operational Analytics** for monitoring trends and performance of omni-channel customer care for EV Drivers.
- **Data Lake & Event Streaming Platform** - Led the creation of a unified data infrastructure including a schema registry, event streaming platform, and time series databases for monitoring using AWS.
 - **Data Lake (AWS S3)**: Consolidated raw, pre-processed, and business-ready data into a centralized repository with privacy controls and GDPR compliance.
 - **Real-time Data Integration**: Enabled near real-time analytics by integrating data into machine learning models for prediction and anomaly detection using AWS services such as Kinesis and Lambda.
 - **Reverse ETL Pipelines**: Developed pipelines that feed insights back to products, services, and CRM/marketing tools for enhanced customer engagement and personalization.
- **Predictive Maintenance for EV Chargers** - Designed and implemented machine learning models that leverage operational and technical data to predict maintenance needs, improving uptime by 20% and reducing operational costs.
 - Utilized historical EV charger performance, geographic patterns, and technical issues to enable data-driven decisions for maintenance planning.

DATA LEAD

Responsibilities

- Created a positive work culture enabling trust, empathy, collaboration, accountability, and risk-taking capabilities through shared values, team activities, and pair programming sessions.
- Managed workloads, ensured milestones were met, and led roadmap planning, dependency identification, and risk management.
- Mentored the team in technical and leadership skills through workshops, datathons, and group code reviews.
- Encouraged the team to follow industry coding standards and frameworks for faster delivery and high-quality outcomes.
- Created enterprise-level data solutions, including serverless data warehouses for analytics, machine learning, and ad hoc analysis.
- Integrated various data sources, maintained infrastructure, and optimized the data platform to reduce operational costs and improve scalability and performance.
- Built ETL, ELT, and reverse ETL data pipelines and ensured data needs of product teams, analysts, and data scientists were met.

Key Projects & Initiatives

- **Data HTTP Proxy:** Built an async event delivery system for microservices using Kafka and BigQuery. Improved performance, monitoring, and alerting.
- **Partner Onboarding Optimization:** Reduced partner onboarding time from 4 weeks to 1 week by automating manual steps using Airflow, Jenkins, and Terraform.
- **Stable and Scalable Data Platform:** Improved the stability of the platform by 75% and enhanced data quality and scalability.
- **Data Platform Cost Optimization:** Reduced platform costs by 65% by optimizing BigQuery usage and migrating services to Kubernetes autopilot clusters.

SENIOR DATA ENGINEER

Responsibilities

- Created centralized and semi-centralized data lakes and data warehouses.
- Built and optimized data platforms, reducing operational costs and improving scalability and performance.
- Collaborated closely with product teams, analysts, and data scientists to meet their data needs and improve analytics pipelines.

Key Projects & Initiatives

- **Enterprise Event Bus (Smava)** - Designed and developed a message broker abstraction system for seamless data transfer.
- **Enterprise Data Lake (Idealo)** - Developed a data lake using AWS services for structured and unstructured data storage, enabling organization-wide access.
- **GDPR-Data Protection Proxy (Emirates Airlines)** - Developed a Spark-based anonymization solution to ensure GDPR compliance.
- **Operational Efficiency Genome (Emirates Airlines)** - Built a data platform that optimized airline operations, saving the company significant operational costs.

Education



Master of Technology (Computer Science and Engineering) [2011 - 2013]

Pursued an advanced degree with a focus on research, complex systems design, and emerging technologies in Computer Science.



Bachelor of Technology (Computer Science and Engineering) [2005 - 2009]

Completed a comprehensive undergraduate program in Computer Science and Engineering with a strong focus on software development, algorithms, and systems engineering.



Higher Secondary School (Mathematics, Physics, Chemistry) [2003 - 2005]

Completed Higher Secondary School with a focus on Mathematics, Physics, and Chemistry, building a strong foundation for engineering studies.



Secondary School (SSC) [2001 - 2003]

Completed Secondary School (Class 10) with strong academic performance, marking the completion of foundational education.



GET IN TOUCH

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I hereby declare that the above furnished information is true to the best of my knowledge.

(RAVINDRA CHELLUBANI)