MIKHAIL BOLSHAKOV

FULL STACK DATA & ANALYTICS ENGINEER

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PROFILE

Results-driven Analytics and Data Practitioner with 7 years of experience designing, building, and optimizing end-to-end data pipelines for business intelligence, data warehousing, and analytics applications. Proficient in ETL tools (Airflow, Dagster, dbt), cloud ecosystems (AWS, GCP), containerization, CI/CD, and data governance. Skilled in administering, monitoring, and optimizing data pipelines, databases and data warehouses. Led multiple projects delivering scalable data infrastructure, self-service analytics platforms, and BI dashboards, ensuring robust performance and reliability.

EXPERTISE

- Data Ingestion: Streaming + Batch;
- ELT / ETL;
- Data and Analytics:
  - Warehousing;
  - Governance;
  - Analytics;
  - Visualization;
- Documentation and Cataloging;
- Multidimensional Modeling;
- Metrics and KPIs Framework Design;
- Top Notch Stakeholder Management;
- Mentoring and Training;

TECH STACK

- **CLoud Ecosystems**: Databricks, AWS (Redshift, S3, Lambda, Cloudfront, Athena, Glue), GCP (Compute Engine, BigQuery, Cloud Storage) ;
- **Storage frameworks**: Delta tables, Iceberg tables
- **SQL**: Redshift, BigQuery, Snowflake, PostgreSQL, MySQL, DuckDB;
- **Event Streaming**: Kafka, Debezium, CDC;
- **AI**: MCP, Agentic LLMs, RAG, Chatbots;
- **NoSQL**: Mongo;
- **Data Visualization**: Looker, Power BI (DAX), Tableau, Superset, Metabase;
- **ETL/ELT**: Airflow, Dagster, dbt, Airbyte, Fivetran, Improvado;
- **Python**: APIs, data import | wrangling | analysis, task automation, database migration, etc;
- **Containerization**: Docker;
- **Infra**: k8s, Terraform;
- **Misc**:
  - CI/CD;
  - Bash;
  - Jinja, Liquid;
  - Jenkins;
  - ArgoCD;
  - Plural;
  - RESTful APIs, Webhooks;
  - APIs: Salesforce, Pipedrive, Autopilot, Zendesk, Twilio, Braze;
  - VCS (Git);

EXPERIENCE

SENIOR DATA / ANALYTICS ENGINEER – *Nov 2023 - now*
Wolt Development GmbH / Berlin

- Architected the merchant integrations data and analytics ecosystem.
- Led multiple cross-domain analytics projects end-to-end.
- Active member of the AI in Analytics Guild and the Analytics Taskforce.
- Defined and rolled out best practices for data warehousing layers, a denormalized reporting layer, bitmaps, grouping sets, etc.

- Designed and implemented an analytical agentic framework with MCP servers and RAG, adopted across the ~50-person Analytics organization.

FREELANCER – *May 2023 - Nov 2023*

- Led data platform and framework migration projects.
- Set up and hardened BI and analytics infrastructure.
- Introduced and rolled out new data and analytics tech stacks.
- Provided client consulting and implementation advisory.

SENIOR DATA / ANALYTICS ENGINEER – *Sep 2022 - May 2023 (9 months)*
Coachub GmbH / Berlin (laid off due to operational reasons - downsizing)

- Drove analytics engineering and data infrastructure projects.
- Owned Looker training, administration, and performance optimisation.
- Implemented and deployed airflow dbt operator on Kubernetes.
- Refactored and optimised analytics codebase migrated 60% to dbt.
- Implemented testing, monitoring, and alerting for analytics pipelines.

SENIOR DATA ENGINEER – *Jan 2021 - Aug 2022 (1 year 8 months)*
DrSmile - Urban Technology GmbH / Berlin

- Led engineering and analytics infrastructure projects across the BI organisation.
- Identified and delivered several cost-optimisation initiatives.
- Mentored and trained junior analysts and engineers.
- Ran BI and Looker modelling workshops for business and analytics stakeholders.
- Owned engineering-heavy analytics work: ETL monitoring, testing, alerting, and data warehouse administration.
- Migrated reporting from ad-hoc SQL to a dbt-based modelling layer.

- Led Airflow migration from EC2 to Kubernetes.
- Onboarded new data sources and pipelines (Pipedrive, Zendesk, TikTok, Facebook, Twilio, DHL, Braze, etc.).
- Built and maintained models for revenue, shop capacity, influencer attribution, and customer service performance.
- Improved, debugged, and refactored existing ETL processes; took part in hiring a data analyst, intern, and BI Team Lead.

BUSINESS INTELLIGENCE DEVELOPER *– Oct 2020 - Jan 2021 (4 months)*
Liefery GmbH / Berlin

- Laid off due to the employer filing for bankruptcy.

BUSINESS INTELLIGENCE MANAGER *– Sep 2018 - Oct 2020 (2 years 1 month)*
bookingkit GmbH / Berlin

- Developed and visualized several data models "end-to-end": Sales Commission, Lead Attribution, Monthly Country Review, and etc;
- Added new data pipelines, including python-orchestrated database migration.
- Supported data requests from Marketing, Management, Product, Sales, Customer Service, BizDev.
- Maintained and developed data infrastructure: refactored and migrated legacy scripts, automated several operational processes,
- Power BI data models migration.

WISSENSCHAFTLICHE HILFSKRAFT *– Jun 2018 - Aug 2018 (3 months)*
Chair of Energy Economics Brandenburgische Technische Universität Cottbus-Senftenberg / Cottbus

- Data research, data wrangling and clean up. Supported validation and cross-check of gas and energy models results.

EDUCATION

MASTER OF ENVIRONMENTAL AND RESOURCE MANAGEMENT *– 2015 - 2019*

Brandenburgische Technische Universität Cottbus-Senftenberg / Cottbus.

Master Thesis - Modeling a multi-price capacity market mechanism promoting flexibility in a power market with high shares of renewable energy. Equilibrium modeling solved as mixed complementarity problem.

DIPLOMA WITH HONORS IN HOSPITALITY ADMINISTRATION AND MANAGEMENT *– 2003 - 2008*

Saint Petersburg State University of Engineering and Economics / Saint Petersburg.

REFERENCES

Fenny Sanyoto,
Head of Data at DrSmile. Former Supervisor, Head of Data at DrSmile.

Gabriel Y. W. Zhang,
Analytics Manager | Global Supply Chain Visibility | Wayfair. Former Supervisor, Senior Data Analyst at DrSmile

Haley Mar,
Senior BI Manager at IDnow. Former Supervisor, BI Team Lead at bookingkit GmbH

Vinzenz Theodor Tüllmann,
Head of Business Intelligence bei Heartbeat Labs GmbH. Former Supervisor, BI Team Lead at bookingkit GmbH

Iegor Riepin,
Researcher | Digital Transformation in Energy Systems at TU Berlin Master Thesis Supervisor at BTU Cottbus-Senftenberg.