

Dmitry Kisler

**Seasoned engineer and FOSS enthusiast
who enjoys enabling businesses to deliver value with software**

www.dkisler.com - admin@dkisler.com - +49 173 5228056

linkedin.com/in/dkisler - github.com/kislerdm

WORK EXPERIENCE

Independent Software and Data Engineering Consultant between 2018 and 2021, and from 2023-05 (Remote)

- Design and build distributed systems for various startups following TDD, XP, Lean and DevOps practices.
- Contribute to opensource software:
 - I created, and maintain neon-go-sdk, terraform-provider-neon, pyarch, gbqschema-converter.
 - I contribute to OpenTofu (ex-core developer), Superduper (advisor).
- Created diagramastext.dev to improve knowledge sharing in software industry using generative AI.

Lead Software Engineer / Engineering Manager at OLX Group from 2021-10 to 2023-05 (Remote, DE)

- Established two teams, and led one of them: the team of five software and infrastructure engineers on the mission to deliver the streaming platform for reliable real-time data movements between business domains. The delivery followed a combination of prototype-driven development, RDD, TDD, XP, Lean and DevOps practices.
- Developed a Go SDK to facilitate the platform's adoption by the stream-aligned (feature) teams.
- Created cross-department collaborative environment to streamline the development and adoption. The platform was adopted by 12 business domains across all OLX EU business units within one fiscal year.
- Contributed to the company-wide adoption of the decision framework based on RFC and ADR.
- Contributed to the company-wide adoption of C4 Model to facilitate knowledge sharing.
- Enabled four engineers for promotion.

Senior Software Engineer at Priceloop from 2021-01 to 2021-09 (Remote, DE)

- As the founding engineer, shaped the engineering culture of continues delivery following XP, Lean and DevOps practices.
- Used Golang, Python and AWS to build the product's logic from scratch as the main contributor.
- Mentored two peers. They gained confidence to found own companies within a year after my departure.

Senior Software Engineer at Delivery Hero from 2020-06 to 2020-12 (Remote, DE)

- As the founding team's engineer, I did end-to-end delivery of a machine-learning based webapp to facilitate marketing campaigns management. I used Python, react and GCP and followed prototype-driven development and XP practices.
- Contributed to design of a new data platform based on kubernetes, airflow and bigquery.
- Maintained existing data pipelines executed on a VM cluster orchestrated by jenkins.
- Mentored three data scientists to enable them for effective value delivery following Lean approach. They became accustomed to shipping unit-tested Python applications following continuous delivery principles.

Engineering Manager at Crosslend from 2020-01 to 2020-04 (Berlin, DE)

- Established the team of five data engineers and scientists to build data platform to accelerate business growth.
- Used Python, airflow and kubernetes to bootstrap the solution: the integration effort was cut from week to day.

Lead Data Scientist at About You from 2019-09 to 2019-12 (Hamburg, DE)

- Established the team of six ML engineers and data scientists to build a price-optimisation engine.
- Used Python and GCP to build an MLOps platform; it accelerated development of models by the factor of 100.

Data Engineering Team Leader at Spark Networks from 2018-09 to 2019-08 (Berlin, DE)

- Established the team of seven data, software and infrastructure engineers for effective data platform delivery following XP, Lean and DevOps practices.
- Created cross-department collaborative environment to streamline delivery and adoption of a new data platform while maintaining existing solution to prevent reports delay exceeding an hour.
- Used Python, AWS Lambda, Snowflake and Segment to bootstrap new data platform. Consequentially, it was released and adopted for critical use cases within two quarters.

Data Scientist and DWH Manager at Goodgame Studios from 2017-08 to 2018-08 (Hamburg, DE)

- Used Python, R, Java, C, Vertica, Hadoop and tableau to maintain and develop critical data pipelines and reports.
- Led the data science research contributing to the company gain of over 100k Euro through effort optimisation.

Data Scientist at Maritime Data Systems from 2016-11 to 2017-07 (Hamburg, DE)

Used R and Postgis to perform data science research and develop algorithms and core business logic for trusteddocks.com.

Researcher from 2013 to 2017 at CERN and DESY (Geneva, CH; Hamburg, DE)

PRODUCT DEVELOPMENT PRACTICES

My moto is "*simple made easy*", and I build effective teams following the principles in line with the *agile manifesto*:

- *Radical prioritisation*: commit the effort according to the customer needs only;
- *Quality over quantity*: the end product is only what counts, not the number of concurrently executed initiatives;
- *Explication over implication*: keep the risks under control by sharing *clear rationale* behind the decision;
- *Disagree and commit*: focus on effective outcome delivery once the commitment decision is made;
- *Shape-up*: be *pragmatic* and follow *prototype-driven development* to gather customers' feedback as fast as possible.

I worked with these techniques for my teams to deliver high-quality products keeping risks and effort investment under control:

- DevOps principles with continues value delivery and end-to-end product ownership;
- Combination of eXtreme Programming (XP), Lean development, SCRUM and Kanban practices;
- Test Driven Development (TDD), Domain Driven Design (DDD) and Readme Driver Development (RDD);
- Objectives and Key Results (OKR);
- Metrics: DORA, "Coding days", "Time-to-merge", "Time-to-first-comment".

LEADERSHIP AND INTERPERSONAL SKILLS

- *Empathy and people-centricity*: I focus on creating thriving work environments by following BICEPS principles. My number one priority is health, mental health in particular, of myself and my colleagues. As a person who experienced burnout and mental breakdowns, I was able to help other engineers with similar problems.
- *Self-awareness*: I employ mindfulness for behavioural course correction to minimise the impact of unconscious biases.
- *Effective communication*: I can grasp the essence of a complex matter to convey the message adjusting for the audience.
- *Attention to details*: I have a natural ability to spot patterns and identify outliers in tech and people behaviour.
- *Think big, act small*: I guide teams to focus on pain-points with the big picture in mind.
- *Resiliency*: I am capable to handle pressure and uncertainty and can effectively shield others from negativity of those factors.

TECHNOLOGIES

I find that solutions of business problems are based on tradeoffs, including the choice of technologies. I worked with:

- OS: Linux, Unix;
- Scripting: shell, gnuMake, cmake;
- Transport and serialisation protocols/formats: TCP, HTTPS, gRPC, AVRO, Protobuf, JSON, XML, YAML;
- Programming languages: Golang, Python, JavaScript, TypeScript, Dart, R, Kotlin, Java, C;
- Query languages: SQL, GraphQL, Cypher;
- Code version control systems: Git, SVN;
- Frameworks: Sanic, FastAPI, Spring Boot, ReactJS, NextJS, ViteJS, Flutter;
- AWS: IAM, VPC, TGW, S3, API Gateway, Fargate, ECS, ECR, EKS, ECS, Cognito, Lambda, Redshift, Aurora, Amplify, Batch, DynamoDB, SNS, SQS, Eventbridge, Kinesis, Sagemaker, CloudWatch;
- GCP: IAM, VPC, GCS, API Gateway, Cloud Run, App Engine, GKE, VM, Cloud Identity, Cloud Function, BigQuery, PubSub;
- IaC: Terraform, OpenTofu, Terragrunt, Serverless framework;
- CI, CD: github actions, gitlab CI, travis CI, circle CI, Argo CD;
- OCI and Containers orchestration: Docker, Kubernetes, Docker Swarm;
- Monitoring/tracing: Prometheus, DataDog, NewRelic, Jaeger, OLTP protocol;
- Storage: Postgres, MySQL, etcd, MongoDB, CouchDB, Redis, Snowflake, HPE Vertica, HDFS, Neo4j;
- Streaming: Apache Kafka;
- Data processing: Apache Flink;
- CDC: Debezium;
- Tasks and workflow orchestration: cron, Apache Airflow, Prefect;
- Dataviz: Grafana, Kibana, Tableau, QlickView, QuickSight, Looker, Metabase, Apache Superset;
- Notebooks: Jupyter Notebook, Apache Zeppelin;
- Markup, styles and static site generators: HTML, CSS, LaTeX, Markdown, Hugo, MkDocs;
- Machine learning: PyData stack, XGBoost, Tensorflow, GluonTS, ML transformers and LSTM, Flair NLP.

FORMAL EDUCATION

Master of Science in Fundamental Physics specialised in Nuclei, Particles, Astroparticles and Cosmology granted by *Université Paris-Sud* in 2013 with the *Cum Laude* honours.

Bachelor of Science in Physics granted by *Novosibirsk State University* in 2011 with the *Summa Cum Laude* honours.