

# Dmytro Morozov

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## Backend Software Engineer

Software craftsmanship, agile mindset and best practices are the keywords that best describe me as an engineer. I focus in code quality: cleanness, testability and simplicity are my tools for achieving this goal. I have most working experience with Java, Clojure and Python. I prefer strongly typed functional programming languages but I consider myself language-agnostic. I understand software engineering as handling complexity and keeping it under control, so I always focus my learning and self-improvement towards practices and processes that allow me to do that in any language.

## Skills

<b>Programming</b>	Clojure, Java, SQL, Kotlin, Python, Ruby, Bash
<b>Data Storages</b>	PostgreSQL, Elasticsearch, Apache Solr, Kafka, Redis
<b>Infrastructure</b>	AWS, Docker, Ansible, Terraform, Kubernetes, Consul, Nix
<b>Non-commercial Experience</b>	<ul style="list-style-type: none"><li>• F#, OCaml, Rust</li><li>• <a href="#">Linear Algebra for Data Science</a></li></ul>

## Experience

2021 - Current	<b>Senior Software Engineer   <a href="#">Hopin</a></b> Backend development for a hybrid event platform. <ul style="list-style-type: none"><li>• Integrating <a href="#">Attendify Audiences</a> post Attendify acquisition</li><li>• Cross-team communication and planning</li><li>• Developing solution for content moderation system used across the entire Hopin product</li></ul> <i>clojure, ruby, terraform, kubernetes, docker, aws, nix</i>
2018 - 2021	<b>Senior Software Engineer   <a href="#">Attendify</a></b> Backend development and infrastructure maintenance for an Event Marketing Platform. <ul style="list-style-type: none"><li>• Supporting existing functionality as well as implementing new features</li><li>• Maintained backend infrastructure</li><li>• Implemented library to collect service metrics</li><li>• Implemented solution to monitor services</li><li>• Implemented centralized log collection using ELK</li><li>• Facilitated migration from Riak to PostgreSQL</li><li>• Implemented service discovery using Consul</li></ul> <i>clojure, clojurescript, postgresql, elasticsearch, kafka, docker, consul, nix</i>
2018	<b>Senior Software Engineer   <a href="#">Qvantel</a></b> Full-stack development of a transactional document management system for telecom business support system. <i>clojure, clojurescript, re-frame, kafka, cassandra, consul, docker, mesos, marathon</i>
2014 - 2018	<b>Senior Software Engineer   <a href="#">Zoomdata</a></b> Implementation and support of custom solutions for Zoomdata customers. This includes ETL

to effectively store customer data and provide a performant data read access for Zoomdata UI. ETL was implemented using Cascalog and Clojure and in some cases using Java and Spark. During this time, I also provided technical assistance for Zoomdata installations deployed in production as well as implementation of prototypes. During this period I presented at JEEConf, the most famous annual Java conference in Kyiv, where I spoke about Zoomdata and the way we developed ETL.

- Implementation of ETL using Cascalog and Spark
- Implementation of Mesos framework for Zoomdata services
- Implementation of a centralized logging solution using fluentd
- Initial prototype of service discovery for Zoomdata services using Consul
- Implementation of microservice for data export
- Organized and facilitated Zoomdata Tech Lunch - a recurring meetup dedicated to emerging technologies.
- Participated in development of a prototype of the new query analysis engine for Zoomdata.

*java, spring, rabbitmq, gradle, docker*

2013 - 2014

### **Software Engineer | Zoomdata**

Backend development for a business intelligence solution that specialized in real-time data visualization of big data.

- Calculations parser powered by Clojure and Instaparse. Initial development of Admin UI using backbone.js
- Research and development in areas related to Machine Learning, e.g. topic recognition and visualization for structured data.
- Implementation of experimental visualizations using d3.js
- Implementation of connectors for various data sources including Twitter, Amazon Kinesis, Salesforce

*java, clojure, aws, apache kudu, cascalog, apache spark, mesos, marathon, consul, spring*

2009 - 2012

### **Software Engineer | EPAM Systems**

Swiss bank project, Case Management system for bank operation processes, using Adaptive Case Management and Business Process Management. Worked in a distributed SCRUM team. Development of new features, support and improvement of existing functionality.

*java, .net, oracle, tomcat, spring, hibernate*

2008 - 2009

### **Junior Software Engineer | EPAM Systems**

Development of sentiment and text analytics software. The software was a SaaS product that allowed to automatically collect, categorize and report on structured and unstructured data given data supplied from social media, surveys call centers, etc.

*java, spring, hibernate, tomcat, gwt*

## **Conferences**

2015

ETL in Clojure

2019

Clojure at Attendify

## **Education**

2004 - 2008

\*M.S. Automation and Computer-Integrated Technologies | Kyiv National University of Construction and Architecture

## **Activities and interests**

Aside from functional programming, I enjoy learning new languages. Estoy aprendiendo español por diversion. When not in front of my computer, I can be found **cycling** or trying to produce music on my bass (although I'm pretty bad at it). Civic activist **since 2014**.