

Dmytro Morozov

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

Programming	Clojure, Java, SQL, Python, Bash
Data Storages	PosgreSQL, ElasticSearch, Apache Solr, Kafka, Redis
Infrastructure	AWS, Docker, Ansible, Terraform, Kubernetes, Consul, Nix
Non-commercial Experience	<ul style="list-style-type: none">• F#, OCaml, Rust, Elixir• Linear Algebra for Data Science

Experience

2022 - Present	Senior Software Engineer DraftWise DraftWise is a leading provider of secure end-to-end drafting and negotiating AI solutions tailored for legal professionals. As a backend and infrastructure engineer I engaged in the design, development, and maintenance of robust backend systems. <ul style="list-style-type: none">• Introduced and implemented monitoring and alerting solution based on Prometheus, AWS managed Grafana and micrometer. This greatly helped engineers in discovering and fixing bugs and performance issues. Monitoring infrastructure was managed by code and allowed for quick and painless updates.• Implemented a new microservice in Python which used an ML approach to find entities in given paragraphs. This service became essential for one of the product's core features.• Established an ETL pipeline to gather public contracts from EDGAR on a daily basis and make them ready for importing. This integration allowed our users to leverage publicly available EDGAR data while leveraging DraftWise search and drafting features. <i>java, python, typescript, docker, aws, postgresql, elasticsearch</i>
2021 - 2022	Senior Software Engineer Hopin Backend development for a hybrid event platform. <ul style="list-style-type: none">• Integrating Attendify Audiences post Attendify acquisition• Cross-team communication and planning• Developing solution for content moderation system used across the entire Hopin product <i>clojure, ruby, terraform, kubernetes, docker, aws, nix</i>
2018 - 2021	Senior Software Engineer Attendify Backend development and infrastructure maintenance for an Event Marketing Platform. <ul style="list-style-type: none">• Supporting existing functionality as well as implementing new features• Maintained backend infrastructure• Implemented library to collect service metrics• Implemented solution to monitor services

- Implemented centralized log collection using ELK
- Facilitated migration from Riak to PostgreSQL
- Implemented service discovery using Consul

clojure, clojurescript, postgresql, elasticsearch, kafka, docker, consul, nix

2018 Senior Software Engineer | **Qvantel**

Full-stack development of a transactional document management system for telecom business support system.

clojure, clojurescript, re-frame, kafka, cassandra, consul, docker, mesos, marathon

2014 - 2018 Senior Software Engineer | **Zoomdata**

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](#).