Ilya Zinkovich

Senior Software Engineer

👤 Profile

Experienced software engineer and team leader building secure, reliable, and performant JVM-based services on AWS.

💼 Employment History

Senior Software Engineer at Careem, Berlin
January 2018 — Present

- Increased efficiency of dispatching for food- and last-mile delivery by leveraging batching of the incoming orders, and applying the domain-specific cost functions for the assignment algorithm relying highly on the prioritization of in-ride couriers and pooling.
- Re-designed a critical part of the system to perform deterministic assignments of drivers to bookings in a concurrent environment.
- Developed a stress testing infrastructure and tools to analyze the efficiency of the most critical dispatch flows at scale.
- Led the AWS cost saving in a team and initiated the adoption of spot instances.
- Developed an efficient logical shard key populator for one of the largest MySQL installations on AWS.
- Organized the engineering process in a team of 5 developers.

Tech stack: Java 8/11, Spring Boot, AWS, Kafka, Hibernate, MySQL, ELK, Prometheus, Grafana, Terraform, Jenkins, Python, Jupyter.

Software Engineer at EPAM Systems, Minsk
March 2015 — January 2018

- Developed a Legal Q&A web app powered by Spring Boot and Angular, and migrated the data from the legacy system to the Oracle database extended with full-text search capabilities.
- Enhanced the search engine of PracticalLaw UK product with autocomplete functionality and enabled search across previously unsupported types of legal documents.
- Improved performance of backend modules used to organize the lawyers' research using parallelism, boosting page load time from 10s to 2s on average.
- Mentored 4 developers.

Tech stack: Java 8, Spring Boot, Hibernate, Oracle 11g, Lucene, Jenkins, TFS.

🎓 Education

Higher Education (M.Sc. equivalent), BSU, Minsk, Belarus
September 2012 — July 2017

📊 Certifications

AWS Certified Solutions Architect - Associate
September 2019 — September 2022

Details

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Links

ilyazinkovich.github.io
github.com/IlyaZinkovich
linkedin.com/in/ilyazinkovich

Skills

Java

AWS

Distributed Systems

Domain-Driven Design

Functional Programming

Languages

English

Russian

German