

Mykhailo Kozik

mishadoff@gmail.com

+380974303637

Kyiv, Ukraine

Software Engineer and Technical Leader with 15+ years of experience building resilient systems in logistics, robotics, and big data. Proven track record leading cross-functional teams, modernizing legacy platforms and reducing cloud costs. Deeply engaged in domain modeling and architectural strategy. Passionate about simplicity and value delivery.

Experience

Team Lead @ [Relay Payments](#)

Jun 2023 - Jun 2025 (2 years)

Digital Payments for Logistics

go, postgres, aws, temporal

Integrations. Enabled onboarding of new clients by designing and delivering a suite of customer-facing APIs. Built robust integrations with various niche systems: truck management, logging devices, fuel pumps, POS terminals, significantly expanding integration coverage and reducing time-to-market for new customers.

Core. Improved performance of financial workflows, achieving up to 5x faster transaction processing. Migrated from a monolithic to a service-oriented architecture, increasing system reliability through better isolation of core components.

Team Lead / Software Architect @ [Takeoff Technologies](#)

Jan 2019 - Mar 2023 (4+ years)

Robotic Platform for Grocery Stores

clojure, go, java, postgres, google cloud, kubernetes, terraform

Retailer Integrations. Led a team of 8 engineers to design and implement a public API supporting key retailer workflows: eCommerce, Replenishment, Inventory, and Product Catalog management. Built a flexible ETL framework with custom DSL for data analysts. Successfully integrated with 10 large grocery retailers.

User Management. Designed and implemented Single Sign-On (SSO), Role-Based Access Control (RBAC), and a self-service portal for client-facing and internal users. Migrated all internal employees to the new SSO system and enabled enterprise integration with client-managed Active Directory.

Outbound Fulfillment. Analyzed the fulfillment and picking flow, uncovering critical architectural flaws and high-impact bugs. Defined a comprehensive overhaul strategy that was implemented by several teams (40+ engineers), resulting in a significant reduction in error rates and operational incidents.

Inbound. Served as Domain Leader and Architect for inbound processes including Receiving, Inventory Management, Assortment, and Replenishment. Defined and owned the technical strategy and roadmap, conducted regular design and code reviews, and guided architectural decisions. Simplified complex legacy systems and led migration to a scalable multitenant architecture.

Architecture Guild. Active contributor to the company's Architecture Guild, promoting clean architecture through regular design reviews, best practices, and internal presentations. Developed hands-on tools for architecture governance, including automation of data models across 50+ sources and a toolkit for maintaining component diagrams and identifying unstable modules. Enabled quantitative assessment of architectural health. Additionally, found the checkbox that reduced annual cloud costs by \$400,000.

Senior Software Engineer @ [Qvantel](#)

Feb 2018 - Jan 2019 (1 year)

Document Management System for Telecom

clojure, clojurescript, reagent, react, cassandra, consul, docker

Document Storage. Built a highly available file storage system on Cassandra, supporting chunking, redundancy, audit trails, metadata, file diffs, and type detection.

Document Templating Manager. Developed a visual templating editor powered by a custom DSL, supporting PDF and DOCX formats. Enabled batch generation of complex documents such as multi-page contracts with watermarking and pixel-perfect payslips with barcodes.

Senior Software Engineer @ [Zoomdata](#)

Jan 2015 - Feb 2018 (3+ years)

Visualization Platform for Big Data

java, clojure, spring, postgres, spark, thrift, kafka, docker, consul

Calculation Parser. Developed clojure library to process user input from calculations editor and build a parsing tree, which later used by query engine as execution plan.

Enterprise Data Connector. Designed a comprehensive toolset for querying abstract databases, consisting of a query API, a microservice framework for rapidly building connectors and connector shell. Enterprise Data Connector (EDC) architecture enabled the development of over 20 connectors to various data sources.

Fabric for Adaptive Analytics with Smart Technologies. Add-on for Zoomdata to improve query performance by saving pre generated data using query popularity, fresh storage and tens of other methods.

Query Boost Intelligent Compiler. Offline library builds a lattice data structure on top of the database which provides ways to optimize and speed up queries far beyond standard approaches. Experimental.

Senior Software Engineer @ [EPAM](#) (IHS)

Aug 2014 - Jan 2015 (6 months)

Search System

java, lucene, solr, spring

Search System. Developed full-featured search prototype with facets, filtering, highlighting and paging. Some features from the prototype were migrated to the production system. Implemented new highlighter which greatly improved the accuracy of snippets, sped up indexing two times and reduced index size by 30%.

Software Engineer @ [EPAM](#) (Clarabridge)

Jan 2011 - Aug 2014 (3.5 years)

Text Analytics Software

java, spring, postgres, oracle, gwt, salesforce, soap, nlp, sentiment analysis

Salesforce Connector. Provides ability to pull data from salesforce.com and map it directly to our system. Improvements to our own connector framework.

API. Development of new SOAP based API services, enhance existing ones.

RateLimiter. High-performance request throttler for API. Allows throttling by number of requests per second or number of characters per second to be processed.

R&D. Research work to improve the quality of sentiment calculation process. Data preprocessing techniques and new algorithms were prototyped. Results of R&D have been integrated into the system.

Full Stack Features. Responsible for full-stack development for features Custom Calendars, Derived Attributes, Taxonomy and Sentiment Exception Rules.

Education

NTUU "KPI", Master's Degree, Applied Math

2006-2012

Numerical Methods for solving Navier-Stokes Equation

Other Projects

Chirp & Roar @ github.com/mishadoff/ChirpRoar

kids app with animal sounds, iOS

Priceous @ github.com/mishadoff/priceous

web aggregator from online alcohol stores

Technical Blog @ mishadoff.com

programming, clojure, java, algorithms, patterns

numberto @ github.com/mishadoff/numberto

library, clojure, math, numbers