



# Pavel Istomin

Senior AI Developer

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## Summary

I'm a 7 years experienced Software Engineer from Zagreb with expertise in Java, Kotlin, and AI-driven technologies. I enjoy working on scalable software solutions, especially those that integrate machine learning and large language models to address practical challenges.

In a free time, I'm also currently developing a fintech pet project, which allows me to combine my interests in technology and finance.

## Experience

### Devexpers

Jan 2016 - Dec 2016

Junior DevOps

<https://devexperts.com/>

- Administration of Java applications on Linux
- Managing databases, primarily PostgreSQL
- Developing applications for workflow automation (Java)
- Communicating with B2B clients
- System monitoring
- Troubleshooting and resolving issues

### DxFeed

Jan 2017 - Apr 2019

Junior Software Engineer

<https://dxfeed.com/>

- Analyzing company data structures and data values
- Selecting appropriate data storage solutions
- Designing and developing Data Warehouse architecture (Cassandra)
- Developing ETL processes using Java and Spark
- Performing ad-hoc data extractions, enrichments, and transformations

### Infobip

May 2019 - Sep 2022

Software Engineer

<https://www.infobip.com/>

- Developed a post-analytic fraud detection system using Java with Spring, Kafka, Kafka Streams, and ML integrations (MLFlow), evolving it towards a microservices architecture, including custom URL analysis functionality
- Implemented a Data Catalog with a graph database, designed the data model, and handled graph operations amidst organizational challenges
- Introduced data governance via a fork of an open-source project, developed an ingestion system for internal tools, established data validation mechanisms, and contributed heavily to project management and communication (Airflow integration)
- Started to mentor new team members

### Infobip

Sep 2022 - Present

Senior Software Engineer / Senior AI Developer

<https://www.infobip.com/>

- Took over and improved a problematic real-time analysis project, significantly increasing revenue and performance (3x) through rearchitecting
- Led the evolution of a microservices-based Spam Detection System for real-time blocking, leveraging knowledge from the fraud detection architecture
- Transitioned to the AI department and began working on AI/ML projects, focusing on integrating machine learning into production environments
- Contributed to developing services that utilize AI/ML models and LLMs for real-time decision-making and automation
- Collaborated with data scientists and engineers to integrate ML pipelines, deploying models using tools like MLFlow and Kubernetes
- Led efforts to optimize performance and scalability of AI-driven systems
- Actively mentoring junior team members in development best practices, fostering a knowledge-sharing culture within the team

## Education

ITMO University

2012-2016

Information Security

Bachelor of CS

ITMO University

2016-2018

Information Security

Master of CS

ITMO University

2018-2022

Information Security

PhD Candidate (Incomplete)

## Skills

Java

● ● ● ● ●

Kotlin

● ● ● ● ●

Python

● ● ● ● ●

Go

● ● ○ ○ ○

Languages

English

Advanced

● ● ● ● ○

Russian

Native

● ● ● ● ●