



# Dmitry Elsakov

SOFTWARE ENGINEER / TPM

## Employment History

### VP, Lead Software Engineer, JPMorgan Chase, Jersey City

APRIL 2021 — PRESENT

Industry: Global Payments / Treasury Services (CTO/CFO reporting)

- Developed a full-stack, cloud-based interactive Agile Metrics Dashboard for the entire Payments Technology space (620+ projects), streamlining project reporting by replacing Tableau/Qlik/Java dashboards and reducing licensing costs (**Python, HTML5/CSS, CockroachDB, Flask+Dash**)
- Performed DevOps tasks, including deployment, server configuration, and management, to ensure the smooth operation and availability of the developed application (**CloudFoundry, K8s, CockroachDB management**)
- Developed a JIRA Migration Tool consolidating multiple JIRA projects, resulting in over \$700k annual savings through license, plugin, and infrastructure cost reductions; successfully migrated 950+ projects in under 3 months (**Python, desktop application**)
- Developed and implemented a suite of ad-hoc Python scripts for various teams, streamlining data migration, report generation, and data updates across multiple sources while enhancing data quality checks (**Python**)
- Resolved JIRA configuration issues, developed new REST API endpoints (**Scriptrunner, Groovy**), and served as JIRA subject matter expert
- Mentored a JPMC Python hackathon team (**Python**)

### Scrum Master / Software Engineer, JPMorgan Chase, Jersey City

JULY 2017 — APRIL 2021

Industry: Global Payments / Treasury Services

- Enhanced cross-project visibility and QA stability as JIRA SME and Lead Scrum Master for 24+ projects within a program
- Developed a rule engine to generate CSV files for Booking Leg Derivation Service from various sources (**Python, Flask+FastAPI**)
- Streamlined program delivery status reporting and reduced report generation time from 2-3 days to mere hours by optimizing and automating processes (**Python, JS, Groovy**)
- Developed a backend for the JIRA Reporting Dashboard for Global Payments project (**Python**)

### Business Analyst (Senior, Lead), Deutsche Bank, Jersey City

OCTOBER 2014 — MAY 2017

Industry: CRM / Regulatory reporting

- Developed business and functional requirements for multiple startup projects from scratch (**MS Word, Excel, SharePoint**)
- Accelerated system integration by assisting in the implementation of Delta feed as an Oracle view in the ETL process, reducing steps from three to two (**PL/SQL**)

## Details

Cranford, NJ, United States  
+1(609)582-0914  
[delsakov@gmail.com](mailto:delsakov@gmail.com)

## Links

[LinkedIn](#)  
[GitHub](#)

## Skills

**Python:** Cloud, Web and desktop applications, data analysis, and reporting

**Data Pre-processing:** Python libraries including Pandas, NumPy, SciPy, Dask, Ray and Spark

**SQL:** RDBMS (Oracle, PostgreSQL, MSSQL, DB2) and NoSQL (Cassandra, CockroachDB)

**Data Structures:** XML, JSON, YAML, GraphQL and Protocol Buffers

**Programming Languages:**  
Python, C++ (proficient)  
Java, JavaScript, and Groovy (Beginner)

**Python Frameworks:** Flask, Dash, FastAPI, Django

JIRA / Confluence / BitBucket - administration

Microsoft Office Suite, UML / BPMN, Roadmap / Project Plan (MS Project, JIRA Portfolio)

**SDLC:** Agile (Scrum / Kanban), Waterfall, RUP

Wireframes & Prototyping (Balsamiq)

Team and Process Leadership

Project and Team focus facilitation

Liaison between Dev/Infra, Product, Ops

## Languages

English  
Russian

## Business Systems Analyst (Middle, Senior, Lead), Deutsche Bank via Luxoft, Moscow

MARCH 2008 — OCTOBER 2014

Industry: EDMS / CRM / Corporate Credit Approval

- Cultivated a high-performing team of Business and Systems Analysts through mentoring, training, and candidate interviewing; guided team members from junior to senior levels
- Expedited Functional Requirements Sign-Off process from three months to one by streamlining SLAs, eliminating redundant steps in SDLC processes (*RUP / Waterfall*), and redesigning requirement templates (*MS Word, Excel, UML*)
- Decreased production defects by ~82% and increased test coverage by ensuring signed-off requirements prior to QA phase and reviewing Test Cases and Test Strategies within the team(s)

## Education

MS in Artificial Intelligence, University of Texas at Austin, online

JANUARY 2024 — AUGUST 2026

MS in Data Science (ML Engineer), GPA 3.95, Higher School of Economics, with honors. Thesis: <https://www.hse.ru/en/edu/vkr/837853291>

SEPTEMBER 2021 — JULY 2023

MBA (Innovative and Project Management), GPA 4, Moscow Business School, Moscow

APRIL 2011 — NOVEMBER 2015

MS (Cybersecurity), GPA 4, National Research University of Electronic Technology, Moscow, with honors

SEPTEMBER 2004 — JULY 2006

BS (Computer Science), GPA 3.8, National Research University of Electronic Technology, Moscow

SEPTEMBER 1999 — JUNE 2004

## Certificates

6.431x, 6.86x, 18.6501x, 6.419x: 4 out of 5 courses in **MIT MicroMasters** in Statistics and Data Science, MITx Courses

DECEMBER 2023

Data Science for Executives, Professional Certificate, Columbia University

AUGUST 2023

Certified Business Analysis Professional (**CBAP**), International Institute of Business Analysis (IIBA)

APRIL 2019 — APRIL 2025

Investment Foundations, CFA Institute

OCTOBER 2016

Bachelor of HPC 2.0 (high performance club), Luxoft Corporate University (management reserve program)

OCTOBER 2013 — NOVEMBER 2014

### Coursera certificates

- IBM Data Science Professional Certificate (*Sep 2020*)
- Google IT Automation with Python (*Nov 2020*)
- *Other Python/Data Analysis/System Design courses (50+)*