

NATALIA KRUTYKH

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EXPERIENCE

Solution Architect

Sep 2022 – Mar 2024

ICS (Intelligent Corporate Solutions)

ics-it.ru

- Created on the basis of the company's tools a standard BI project consisting of a set of business modules and platforms, which reduced the time of launching new projects from 6 months to 3 days.
- Standard modules were implemented on key projects of the company, which improved user experience and reduced support volume by 30%.

Team Lead

Dec 2021 – Aug 2022

ICS (Intelligent Corporate Solutions)

ics-it.ru

- Created the company's first onboarding program for employees to the integration team. Result: 8 out of 10 new candidates stayed after their probationary period and worked for more than 2 years.
- Suggested and implemented metrics to determine candidate success at the end of the probationary period. Result: the best candidates were selected and strengthened the team.
- Organized 3 internal Tech-Talks and 1 in-house conference for knowledge sharing between teams and departments. Result: the integration team started to use the tools' capabilities more widely and solve tasks more efficiently.

Lead Database Developer

Aug 2015 – Nov 2021

ICS (Intelligent Corporate Solutions)

ics-it.ru

- Had grown from junior DB developer to Lead position.
- Developed a sales distribution algorithm (Split). Since launching into the productive loop in 2016, still running, made several versions depending on the type of data to be used.
- A panel for controlling access to data in OLAP-cube has been developed. Implemented a tool that allows administrators to grant access to employees to certain types of data in OLAP-cube via UI, access calculation is performed using SQL and MDX.
- Improved address standardization tool . Implemented control of the money balance for recognition and a dashboard with statistics, which made it possible to find projects with cost overruns and disable tokens for them without affecting other users.
- Fully developed Tableau reporting portal for a client. In 2018, the portal was ranked first among the company's other regions.

Research laboratory assistant

Nov 2014 – May 2015

Federal State Budgetary Institution «Financial Research Institute»

nifi.ru/en/

- Diploma project. Analyzed the model of life cycle of innovation projects, created the software, which allows to calculate the probability of transition of innovation project to the next stage (expediency of project financing). The project was written in R language with the use of Shiny library. The used mathematical method was logistic regression.

Lead Programmer

Jan 2015 – Apr 2015

Federal State Budgetary Institution "Fisheries Monitoring and Communication System Center"

cfmc.ru

- Development of internal software for visualization of data on fishing vessels positions, macros (MySQL, Delphi, VB)
- Work with TRANSAS mapping interface (preparation of information on the location of training vessels for the institution's website, preparation of information for conference calls)

Leading Specialist

Sep 2012 – Sep 2013

Svyaznoy Bank

www.svyaznoybank.ru

- Development (SQL (Oracle), PL/SQL, PL+) and customization of reporting forms (daily analytical reporting of the bank, IFRS, reports on users' requests)

Manager

Sep 2011 – Jan 2012

MSUESI

mesi.ru

- Maintaining personal files of students, maintaining a database of students studying, issuing information from the student's personal file at the request of internal structures of the university, registration of files and submission to the archive

EDUCATION

Technical University of Munich <i>Master's Degree in Data engineering and analytics (unfinished)</i>	Munich, Germany <i>Apr 2024 – Sep 2024</i>
Moscow State University of Economics, Statistics and Informatics (MESI) <i>Mathematics and Computer Science</i>	Moscow, Russia <i>Sep 2010 – Jul 2015</i>

TECHNICAL SKILLS

Languages: Python, SQL, R, LaTeX
Frameworks: Flask, Django
DBMS: SQL Server, PostgreSQL, Clickhouse, Redis
Architecture and Design: REST, UML, C4
Distributed Systems: Apache Kafka
Developer Tools: Git, Docker, VS Code, PyCharm, Liquibase, Grafana

LANGUAGES

Russian: Native
English: C1 (IELTS Academic 7.5)
German: A2 (Goethe-Zertifikat)

ADVANCED TRAINING

Mentor in Tech 6.0: Women in Tech Russia
Oct 2024 - Feb 2025
OAIS: Fundamentals of architecture and integration of information systems: CC Kommersant
2023
Mathematics for Data Analysis: HSE
2019
Python for Data Analysis: HSE
2019