

# BORIS SHMINKE

## R&D Engineer

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in inpeffess

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Toulouse, France



## EXPERIENCE

R&D Engineer since Nov 2023

### Expleo France

- code generation for an ecological model with ~500 equations
- ontology-driven data extraction using LLM (~100 concepts)
- reduced GenAI Q&A agent deployment time by a factor of 10

PhD candidate Oct 2020 – Sep 2023

### French National Centre for Scientific Research (CNRS)

- developed a research tool used by two other teams
- solved a research problem that remained open for two years
- published four peer-reviewed conference papers in AI

team lead in the AI R&D unit Nov 2018 – Sep 2020

### Largest Russian bank (Sberbank)

- built a news recommender for a mobile app with 40M users
- supervised a team of four machine learning research engineers

big data team lead Nov 2015 – Oct 2018

### Leading Russian online video streaming platform (ivi.ru)

- led the development of a recommender system for 30M users
- managed a team of ten machine learning engineers

senior risk analyst Sep 2014 – Oct 2015

### Top-30 Russian bank (TRUST)

- core developer at a consumer credit automation project

senior analyst for a project May 2014 – Sep 2014

### Russian office of an international consulting (Business & Decision)

- implemented a cross-sell model data pipeline project

senior analyst May 2013 – May 2014

### Top-30 Russian bank (Binbank)

- created several BI dashboards for consumer credit scoring

senior data engineer Nov 2010 – Apr 2013

### Largest BI and Big Data Solutions provider in Russia (Glowbyte)

- three complete data warehouse projects for clients in banking
- directed a team of two Data Engineers

programmer Aug 2009 – Oct 2010

### Leading Russian developer of IT solutions for air transport (IATVT)

- financial reports automation

programmer Mar 2008 – Aug 2009

### Russian ERP software developer (Comtec)

- implemented dozens of users feature requests

## SUMMARY

Machine learning and data engineering expert with 15+ years of experience across finance, media, and research sectors. Proven record in leading high-impact AI initiatives — from production-grade recommender systems to GenAI cloud deployments. Passionate about driving innovation in large-scale data and AI ecosystems.

## SKILLS

OpenAI LangChain LangGraph

Spark Kafka AirFlow

Oracle Teradata SAS

MongoDB Redis

Terraform Azure Docker

GitLab CI CircleCI

git Scrum Kanban

Python FastAPI

PyTorch NumPy SciPy

## CERTIFICATION

Azure Developer Associate  
2025

AWS Certified Cloud Practitioner  
2024

## LANGUAGES

English: C1 French: B1 Russian: native

## EDUCATION

Ph.D. in Mathematics  
Université Côte d'Azur

Oct 2020 – Sep 2023  
Thesis in AI for automated theorem proving

M.Sc. in Applied Mathematics  
Moscow Aviation Institute

Sep 2003 – Mar 2009