

ALEXANDER FEDERYAKOV

Team Lead / Senior Software Engineer

@ a.federyakov@gmail.com <https://www.linkedin.com/in/alexander-federyakov/>

Turkey, Antalya

+7-916-661-5214

<https://federyakov.com>

EXPERIENCE

Key Developer / Project Delivery Manager

EPAM 09/2022 - present Antalya, Turkey
Global software engineering and consulting services

- **Contributed** as a lead developer and technical coordinator across 4 enterprise projects for Fortune 500 clients.
- **Designed** distributed architectures and developed scalable cloud-native systems for enterprise platforms operating at high load and large data volumes.
- **Stayed** hands-on in backend development, technical design, code reviews, troubleshooting, and production support.
- **Mentored** and coordinated distributed engineering teams of 7–25 developers, QAs, designers, and business analysts.
- **Translated** business requirements into technical solutions, engineering tasks, and implementation plans.
- **Led** cloud modernization and Azure migration initiative for PantheRx, modernizing legacy systems into scalable cloud-native architecture.
- **Acted** as key developer and technical contributor for major upgrade of SLB Petrel Well Placement plugin.
- **Led** vulnerability remediation initiatives for Lenovo, strengthening infrastructure security and reducing operational risk.
- **Stack:** C#, C++, Python, AWS, Azure, DynamoDB, MS SQL Server, Event Hubs, microservices, REST APIs, CI / CD, AI / LLM.

Head of Software Development Department

Sibintek 02/2016 - 07/2021 Moscow, Russia
IT subsidiary of Rosneft oil corporation

- **Acted** as hands-on technical lead: solution architecture, code reviews, performance tuning, and production issue resolution.
- **Led** technical delivery of distributed systems integrating SAP, CRM, and external transaction processing platforms.
- **Enhanced** and expanded a high-load loyalty card processing platform, extending core architecture and functionality to support ~20M end users.
- **Introduced** DevOps practices and CI/CD pipelines, improving deployment stability and delivery consistency across teams.
- **Led** development of a large-scale employee education platform serving ~350K internal users.
- **Managed** development teams of up to ~50 people, guiding engineering practices, design decisions, and code quality standards.
- **Delivered** multi-year migration of ~30 TB of loyalty data to a new SAP-based platform as part of an enterprise transformation program.
- **Stack:** C++, .NET, C#, Angular, Python, MS SQL Server, PostgreSQL, HBase, Redis, Oracle RAC, SAP HANA, Docker, AWS, Azure.

Head of Software Development Department

Informational Technological Systems 01/2011 - 02/2016 Moscow, Russia
Customer loyalty solutions provider

- **Designed** system architecture for a high-load enterprise customer loyalty platform for retail clients.
- **Defined** transaction-processing workflows and implemented integrations with payment networks using ISO-8583 financial messaging standard.
- **Owned** end-to-end engineering lifecycle across backend and frontend systems, from architecture and implementation to deployment and production support.
- **Led** and coordinated a team of engineers and external contractors, ensuring delivery quality across multiple client implementations.
- **Scaled** the loyalty system across multiple enterprise deployments, supporting up to ~1.3M users per client.
- **Optimized** performance, reliability, and production stability of a distributed high-load system.
- **Stack:** C++, C#, Ruby, Oracle, ISO 8583.

SUMMARY

Hands-on Senior Team Lead with 20+ years of experience designing and delivering high-load distributed systems and enterprise platforms for Fortune 500 clients.

Expertise includes backend engineering, system architecture, enterprise integrations, cloud-native applications, AI/LLM solutions, and technical leadership across distributed teams.

EDUCATION

Ph.D. in Information Technology

Russian New University, Moscow
2007 - 2011

Master of Science in Information Technology

Plekhanov Russian University of Economics, Moscow
2002 - 2007

SKILLS

Backend Development System Architecture

Code review CI / CD Devops Agile

C# C++ Python Oracle RAC PostgreSQL

Microsoft SQL Server Redis HBase

AWS Azure Microservices AI / LLM

LANGUAGES

English	Proficient	●●●●●
Russian	Native	●●●●●
French	Intermediate	●●●●●

CERTIFICATION

Microsoft Certified Solution Developer

IELTS (C2)

Team Lead

Bantec 06/2010 - 01/2011 Moscow, Russia

Electronic customs declaration systems

- **Led** a team of 4 software developers delivering electronic customs declaration and government IT systems.
- **Designed** system architecture for regulated data exchange and document processing.
- **Developed** core backend modules for customs declaration processing systems.
- **Implemented** security and cryptography mechanisms for compliant government data transmission.
- **Managed** integration with external customs and governmental IT systems.
- **Ensured** reliability, performance, and regulatory compliance in production environments.
- **Stack:** C++, C#, Ruby, Oracle, cryptography.

Key developer / Head of the Technical support team

Taulink 02/2009 - 06/2010 Moscow, Russia

Payment terminals and financial services

- **Maintained** and optimized payment terminal software and backend transaction-processing components.
- **Led** support and operations for nationwide POS terminal infrastructure across Russia and Ukraine, comprising thousands of payment terminals.
- **Managed** incident response, root-cause analysis, and production reliability for financial transaction systems.
- **Improved** reliability and operational stability of payment-processing systems, contributing to an 8x increase in transaction throughput and customer trust.
- **Stack:** VB .NET, C#, PHP, MS SQL Server.

Software developer

IT R&D Center at the Ministry of Foreign Affairs 09/2007 - 01/2009 Moscow, Russia

Automation of government services

- **Developed** internal applications and database-driven tools supporting automation of administrative government processes.
- **Designed** system components and contributed to application architecture decisions.
- **Integrated** modules delivered by external teams into internal government IT systems.
- **Managed** requirements clarification, progress tracking, quality control, and delivery coordination with external vendors.
- **Stack:** C++, C#, Java.