

SERGEY KOVALEV

AI first Development | Solution Architect | Chief Technology Officer

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Open for remote and relocation

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EXPERIENCE

Solutions Architect

Freelance

📅 Date period 📍 Remote

- Developed Communication Agents for voice and messaging. Autonomous AI Agents with advanced planning and knowledge management. Strong proof of concept solutions in 1.5 months.
- Formal requirements quality assessment. Driving cost of requirement quality assessment down to 10c per requirement and less than 1 min.

Chief Technology Officer

levvr.io

📅 10/2022 - 09/2023 📍 Netherlands · Remote

- Led and safeguarded the company's technology and AI strategies for the next 12 months, initiating the development of AI 2 features now in the proof-of-concept stage.
- Expanded the team 2.5 times by incorporating more in-house developers and contractors for non-core development tasks.
- Implemented DORA metrics, enhancing development velocity by 3 from medium to high/elite levels.

Solutions Architect

levvr.io

📅 08/2021 - 09/2022 📍 Netherlands · Remote

- Introduced behavior-driven testing to a legacy codebase, improving testing orientation and reducing production errors by 30%.
- Orchestrated the creation of a multi-environment backup and restore strategy, strengthening data security and reliability; accelerated data restoration into client accounts, cutting onboarding time by 50%.

Big Data Architect

DLIMI Datalyze

📅 10/2021 - 12/2022 📍 Denmark · Remote

- Remotely performed comprehensive analysis of legacy systems.
- Designed an architecture for transitioning legacy RDBMS and ETL/curation processes to the cloud.
- Executed a proof of concept for Delta Lake-based storage and workflow. Suggested efficient methods to monitor curation processes, saving time and effort.

ACHIEVEMENTS

- Led the deployment of an IIoT prototype to a remote Siberian site in just 3.5 months, assembling and guiding the team from the ground up.
- Converted a legacy codebase to a mono-repo and cloud-native solution with advanced CI/CD pipelines, slashing developer onboarding time by 90% and boosting deployment frequency by 500%.
- Directed sales and development teams over a decade, delivering business process automation that pleased top-tier Russian clients.

SKILLS

AI

[Large Language Models \(LLM\)](#) [Machine Learning](#) [Semantic Kernel](#)

Infrastructure

[Kubernetes](#) [Terraform](#) [Pulumi](#) [Gitops](#) [Dapr](#)

Big Data

[Kafka](#) [Delta Lake](#) [Spark](#) [Data Lake](#) [Clickhouse](#)

IIoT

[MOTT](#) [stream/video processing](#) [Azure IoT](#)

Languages

[C# \(.net\)](#) [Python](#) [TypeScript](#) (Next.js, React)

Databases

[SQL](#) [NoSQL](#) (Redis, MongoDB, Neo4j)

Messaging

[RabbitMQ](#) [Azure ServiceBus](#)

EDUCATION

BS, PHD in Economics, Cybernetics

[State University of Management \(SUM\)](#)

📍 Moscow, Russia

EXPERIENCE

Technical Architect

[Detego](#)

📅 03/2021 - 05/2022 📍 Europe · Remote

- Orchestrated the migration of legacy systems to the cloud.
- Revitalized and directed a data engineering team, enhancing big data pipelines with monitoring, read-only storage solutions, and partial migration to a Delta Lake architecture reducing infrastructure costs by 15%.
- Enabled the development of new features by presenting diverse architectural solutions to stakeholders and product owners. Including novel architecture for IoT stream processing, tailored to meet the expanding needs of growing customer base.

Chief Technology Officer

[IoT startup](#)

📅 09/2019 - 12/2020 📍 Moscow, Russia

- Built a diverse development team of 15 from scratch to create a cloud-native software solution with edge components for a Real-Time Location System (RTLS) application.
- Initiated the development of custom hardware to improve indoor and outdoor positioning by 175%.
- Collaborated with contractors to implement bespoke machine learning algorithms and a digital twins architecture achieving 1-2 sec data latency.
- Developed and executed a solution architecture for enterprise epidemiological control, incorporating mobile apps for GATT/iBeacon contact discovery and thermal cameras for Elevated Body Temperature monitoring.
- Integrated Camunda BPMS to enforce epidemiological protocols both for ongoing COVID19 pandemic and future seasonal flues.

Solution Architect | Interim CTO

[Freelance](#)

📅 12/2018 - 09/2019 📍 Remote

Company Owner

[i-cube solutions](#)

📅 11/2006 - 10/2016 📍 Moscow, Russia

Product owner, Co-Founder

[CBS inform](#)

📅 01/2011 - 04/2011 📍 Moscow, Russia

Strategic Advisor

[Aegis Group plc](#)

📅 09/2005 - 04/2006 📍 Moscow, Russia

Media Research Director

[Komandarm \(OKS/Aegis group\)](#)

📅 12/2004 - 09/2005 📍 Moscow, Russia

Analyst, Project Manager

[Comcon-2](#)

📅 08/2002 - 02/2003 📍 Moscow, Russia