

# SERGEY KOVALEV

Solution architect, CTO and consultant with 15+ years of experience in enterprise and international startups.

Building prototypes, teams and products.

[www.skaska.pro](http://www.skaska.pro)

IIoT digital twins stream processing cloud AI

## CORE QUALIFICATIONS

CTO  
Solution architect  
VP of Engineering

## INFRASTRUCTURE and DATA

docker, kubernetes, terraform,  
azure, kafka, datalake / deltalake,  
lambda/kappa architecture, spark

## IoT

edge/fog/cloud, MQTT, stream  
processing, video streams

## PRIMARY STACK

.net, c#, K2, angular, SQL/NoSQL,  
AMQP

## AI/ML

neuralnets, deeplearning, keras,  
python

## COMMON PRACTICES

CI/CD, design patterns, API,  
scalability, jira, git, agile/scrum

## EDUCATION

State University of Management  
Moscow, Russia  
BS, Economics, Cybernetics  
1995 – 1999  
Ph.D., Cybernetics  
1999 – 2002

## CONTACTS & SOCIAL

+7-9037183633

[s.kovalev@inbox.ru](mailto:s.kovalev@inbox.ru)

<https://t.me/Sergey0Kovalev>

<https://www.linkedin.com/in/skovalev/>

<https://skaska.pro>

## Vympel Russia – CTO, Team Lead

<http://vympel-russia.ru/>

September 2019 – Present, Moscow

**Company:** SaaS startup Realtime Location System (indoor/outdoor). Containerized solution for both cloud and on premise deployment. Custom hardware and algorithms - classic, ML and NN/DLL.

**Stack:** #azure #kubernetes #docker #neuralnets #.net #angular #IoT #lambda-architecture #clickhouse

## Freelance/Consulting - Solution Architect, Interim CTO

December 2018 – August 2019, Remote, Moscow

**Areas:** project and codebase audit, solution and cloud architecture review, solution to cloud migration, enterprise blockchain in supply chain (hyperledger fabric, enterprise ethereum)

## TotalSynchronicity - Solutions Architect, K2 Expert, Backend Dev

September 2016 – December 2018, USA, Remote

**Company:** SaaS startup in general contractors sector. Integrations of most popular SaaS in this market and extending functionality via use of BPMS.

**Role:** Solution architecture and prototype of very flexible and configurable integration engine. Mentored K2 solution implementation.

**Stack:** #azure #k2 #quickbooks #cosmosDB #.net #xm8 #Dynamics #neo4j #ETL

## Dron Alert – Founder, Solutions Architect, FullStack Dev

May 2018 - July 2018

**System:** SaaS for monitoring of man-operated drones by analyzing Wi-Fi spectrum.

**Role:** Solution architecture. UI prototype and data flow. Implemented particle filtering using neural nets (LSTM). Real-time data stream processing

**Stack:** #IIoT #edge #neural-nets #saas #azure #angular #stream-processing

## I-cube solutions – CEO, Tech Lead, Solutions Architect

November 2006 - October 2016, Moscow, Russian Federation

<https://www.i3s.ru>

**Company:** full cycle of BPMS services

**Clients:** Major local and international clients like LUKOIL, RUSAL, Deloitte, Sanofi-Aventis, Rusagrottrans, GFK

**Stack:** #.net #c# #asp.net #asp.net mvc #k2 #sharepoint #azure #js #angular #jquery #SAP

## BrightPattern – Business Development Director (Russia and CIS)

<https://www.brightpattern.com/>

September 20011 - April 2012, USA, Russian Federation

**Company:** international startup. Cloud call-centers (SaaS).

## CBS inform - Product owner, CTO

January 2011 - April 2011, Moscow, Russian Federation

**Project:** Proprietary on-premise ERP adoption for multitenant SaaS model including major simplification of UI/UX for mass-market.

**Roles:** Product owner and tech lead. Development lifecycle changed and extended with CI/CD. Major enhancement made for DSL and analysts group IDE (Eclipse plugins). Mass-market strategy from ground up.

**Stack:** #java #eclipse-plugins #postgresql #bamboo

## Aegis Group plc - Strategy Consultant

September 2005 - April 2006, Moscow, Russian Federation

## Komandarm (OKS/Aegis group) - Media Research Director

December 2004 - September 2005, Moscow, Russian Federation

## Media Direction - Head of Forecast and Modeling Unit

February 2003 - November 2004 Moscow, Russian Federation

## Comcon-2 - Analyst, Project Manager

August 2002 - February 2003 Moscow, Russian Federation