

SERGEY KOVALEV

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

#IIoT, #digital_twins, #stream_processing, #cloud

CORE QUALIFICATIONS

CTO
Solution architect
VP of Engineering

Infrastructure

docker, kubernetes, azure,
kafka, datalake, lambda/kappa
architecture

IoT

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

PRIMARY STACK

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

AI/ML

neuralnets, deeplearning, keras,
TensorFlow serving, 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

Vympel Russia – CTO / TeamLead

<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

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

Dron Alert - Solutions Architect

May 2018 - July 2018

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

Role: Solution architecture created. Developed UI prototype and data flow. Implemented particle filtering using neural nets (LSTM). Close to real-time data stream processing

Stack: #IIoT #edge #neural-nets #saas #azure #angular

I-cube solutions – CEO, Tech Lead

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, Rusagrotrans, 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