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

IIoT digital twins stream processing cloud AI

CORE QUALIFICATIONS
CTO
Solution architect
VP of Engineering

INFRASTRUCTURE and DATA
docker, kubernetes, terraform, pulumi, azure, kafka, datalake / deltalake, lambda/kappa architecture, spark, cassandra

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

PRIMARY STACK
.net, c#, K2, angular, SQL/NoSQL

AI/ML
neuralnets, RL/deeplearning, 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
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Detego – Tech Architect
https://detego.com
March 2021 – Present, Moscow
Company: IIoT Supply Chain solution
Role: cloud migration, big data optimization, IIoT streams processing architecture
Stack: #azure #kubernetes #docker #.net #cassandra #IoT #lambda-architecture #datalake #databricks

Vympel Russia – CTO, Team Lead
http://vympel-russia.ru
September 2019 – December 2020, 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 #neauralnets #.net #angular #IoT #lambda-architecture #clickhouse

Freelance/Consulting - Solution Architect, Interim CTO
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: General contractors sector SaaS startup. Integrations and extending functionality via BPMS.
Role: Solution architecture/prototype of integration engine. Mentoring K2 BPMS implementation.
Stack: #azure #k2 #quickbooks #cosmosDB #.net #xm8 #Dynamics #neo4j #ETL

Dron Alert – Founder, Solutions Architect
May 2018 - July 2018
System: Hardware and SaaS for monitoring of man-operated drones by analyzing Wi-Fi spectrum.
Role: Solution architecture/prototype.
Stack: #IIoT #edge #neural-nets #LSTM #saas #azure #angular #stream-processing

I-cube solutions – CEO, Tech Lead, Solutions Architect
November 2006 - October 2016, Moscow, Russian Federation
https://www.i3s.ru 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 mass-market cloud SaaS
Roles: Product owner and tech lead. CI/CD. Mass-market product and 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