# Nick Laptev

CTO, Architect
Wide experience in different business and technical fields

LinkedIn          Twitter
GitHub            HackerRank
Detailed resume   email
"Architecture puzzles" on YouTube
"What is" newsletter

## EXPERIENCE

### Crossover, Remote — *Subsystem CTO / VP of TPM*

APRIL 2022 - PRESENT

1. Made the most important technical decisions in data driven way in child companies with a portfolio of hundreds of products (including Jive, FogBugz, Sococo, BiznessApps, Engine Yard, Kayako, CloudFix, AlphaSchool).
2. Technical due diligence during pre–acquisitions.
3. Architecture governance for all products.
4. Simplified overgrown products dramatically by concentrating on core value.
5. Saved millions with cost optimisations in AWS infrastructure practicing FinOps.
6. Implemented PoCs, fitness functions and the most complex functionality.

### S7 Airlines, Moscow (RU) — *Senior Solutions Architect*

OCTOBER 2021 - APRIL 2022

1. Significant improvements in quality, security, performance and scalability of all products.
2. Designed notifications platform from scratch that sends messages to 12+ millions of passengers.

### Kick, Remote — *Technical Consultant/Solutions Architect*

SEPTEMBER 2021 - NOVEMBER 2021 (limited contract)

Migrated fintech product from Heroku to AWS

### EPAM, Saint Petersburg (RU) — *Solutions Architect*

FEBRUARY 2020 - OCTOBER 2021

1. Designed solutions for Thomson Reuters, Inditex, Allianz, Syncron, Onit, BlueJay, Sogaz, PerkinElmer
2. Brought millions of dollars and loyal clients to EPAM.
3. Decreased the price of genetic analysis by 30%.
4. Designed system provisioning in both US and China AWS regions.
5. Improved performance of a distributed system by 50 times.

### Geektastic, Remote —*Code Reviewer*

MAY 2019 - APRIL 2020 (part-time activity)

Reviewed code challenges to help the world's top tech companies to hire the best developers

## EDUCATION

**Mary State Technical University,** Russia — Master of Computer Science

2005 - 2010

## CERTIFICATIONS

- AWS Certified Solutions Architect
- Oracle Certified Associate, Java SE 7 Programmer
- Oracle Certified Professional, Java SE 7 Programmer
- MongoDB Certified Developer
- Machine Learning from Stanford University on Coursera
- Project Management Orientation (PM54G) from IBM
- Project Management Fundamentals (PM10G) from IBM
- Big Data Fundamentals from IBM
- Big Data Hadoop Fundamentals from IBM
- Platform as a Service Academy graduate from Accenture
- Business Development Manager from TM Forum
- Frameworx Transformation Manager from TM Forum
- Platform Development Manager from TM Forum

## RECOMMENDATIONS

## PUBLIC TALKS

- Resume Driven Development at Coding Stuttgart meetup. Slides and recording.
- Serverless chatbot in Java on AWS. Recording.

### [Jacq](#), Mannheim (GE) —*Technical Consultant/Technical Lead*

JUNE 2019 - OCTOBER 2019

Designed all components of ML platform

### [Accenture](#), Heidelberg (GE) —*Manager in Software Architecture*

JULY 2018 - MAY 2019

Significantly improved quality of a [product](#)

### [N26](#), Berlin (GE) —*Technical Consultant/Technical Lead*

JUNE 2018 - AUGUST 2018 (limited contract)

1. Resolved organizational and technical bottlenecks.
2. Provided technical guidance for introducing support of the US market.

### [Crossover](#), Remote —*Chief Software Architect, Software Engineering Manager*

FEBRUARY 2017 - MAY 2018

1. Led a team of 15 people including 3 technical leads, 7 senior and 5 middle developers
2. Implemented the most complex and critical tasks for several projects
3. Designed several products
4. Led acquisition process

### [Gigster](#), Remote —*Technical Consultant*

NOVEMBER 2016 - MAY 2017 (part-time activity)

Implemented several projects for world top companies

### [Upwork](#), Remote —*Technical Consultant*

NOVEMBER 2016 - MAY 2017 (limited contract)

Designed and implemented a core part of A/B testing system for Upwork platform

### [IBM](#), Moscow (RU) —*Tech Lead*

JULY 2015 - SEPTEMBER 2016

1. Redesigned core part of a system to make it more testable, extensible and maintainable.
2. Improved performance of the most popular use cases in 3 times.

### [TransCity](#), Moscow (RU) —*Team Lead*

MARCH 2015 - JULY 2015

1. Designed and implemented a system for producing personal ID cards for Russian citizens that reduced production time by 4 times and saved millions spent on redundant expenses for ministries.
2. Built a team and a relationship with the customer side from scratch.

### [ACI Worldwide](#), Moscow (RU) —*Team Lead*

JANUARY 2013 - MARCH 2015

1. Implemented core parts of the payments framework that is used by top 60 banks in the world.
2. Created a system for automated functional testing of online banking that made hundreds of manual QAs redundant.

### [TeamForce](#), Moscow (RU) —*Team Lead*

SEPTEMBER 2008 - JANUARY 2013

1. Designed and implemented core parts of products.
2. 2 our products (ApexSQL Complete and Refactor) won [2 silver medals "Windows IT Pro Community Choice Award Winner 2013"](#).
3. Won "ComponentSource Bestselling Publisher Award" 4 times every year 2009–2012.

## SKILLS

- **Languages**: Java, Python, TypeScript, C#, Go, JavaScript, Groovy, Perl, VB.NET, Lisp, F#, Assembler, C, C++, PHP, Ruby.
- **Web frameworks**: Spring MVC, AngularJS, ASP.NET MVC, Apache Struts.
- **DBMS**: MS SQL Server 2000/2005/2008/2012, Oracle, DB2, Postgresql, MariaDB, MongoDB, Apache Jena, DynamoDB, Redshift, InfluxDB.
- **DB tools**: Spring Data, JPA, Hibernate, MyBatis, pgbench, sysbench.
- **Messaging**: Apache Kafka, JMS, IBM Websphere MQ, Apache ActiveMQ, RabbitMQ.
- **Transactions**: JTA, JBossTS (Narayana).
- **Web services**: REST, GraphQL, RPC, SOAP.
- **Design platforms**: OSGi, Eclipse Rich Client Platform, Eclipse Equinox, Netbeans platform.
- **GUI**: GDI/ GDI+, DirectX, OpenGL.
- **DevOps/MLOps tools**: Jenkins, Ansible, Terraform, CloudFormation, TeamCity, ElectricFlow, Bitbucket Pipelines, Azure Pipelines, TravisCI, GitHub Actions, Bamboo, Rational Team Concert, Sagemaker.
- **Monitoring tools**: New Relic, Zenoss, Grafana, Graphite, DataDog.
- **Source code static analysers**: FxCop, StyleCop, Klocwork, Sonar, FindBugs.
- **Build and dependency management**: Ant, Maven, Gradle, NPM, YARN.
- **Other frameworks**: Spring, Dropwizard, JCA (JBoss IronJacamar), Apache Camel, Netflix OSS (Eureka, Hystrix, EVCache), Elastic Stack.
- **OSes**: MacOS, Linux (Red Hat, Ubuntu, IBM z\OS).
- **Cloud platforms and containers**: AWS, Heroku, Azure, OpenShift, SAP Cloud Platform, CloudFoundry, Docker, Kubernetes.
- **Chatbots platform**: Facebook Messenger, Telegram, Chatfuel, ManyChats, Zapier, Facebook Analytics, Dashbot.