# Nick Laptev

CTO, Architect
Wide experience in different business and technical fields

"What is" newsletter
Detailed resume          email
LinkedIn                 Twitter
GitHub                   HackerRank

## 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. Drove process improvements and product roadmaps.
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.
7. Formed development and research processes around AI.

### Architecture Puzzles — Founder / Teacher

MARCH 2023 - PRESENT

1. Teach practical architecture skills by solving real life puzzles using biweekly posts on Twitter, YouTube and LinkedIn.
2. 2k+ learners. 15+ posts. 350k+ views.

### CRONaaS — Founder / CTO

MAY 2022 - NOVEMBER 2022

1. Formed product/market fit for a product.
2. Designed the system and implemented a release candidate.
3. Closed the product when AWS released the same 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.

### 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.

## 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.

5. Improved performance of a distributed system by 50 times.

## [laptev.io](), Remote/Onsite — *Technical Consultant/Solutions Architect/Technical Lead*

NOVEMBER 2016 - NOVEMBER 2021

1. Delivered projects for [Kick](), [Geektastic](), [N26](), [Gigster](), [Upwork]().
2. Migrated neo bank from Heroku to AWS.
3. Reviewed code challenges to help the world's top tech companies to hire the best developers.
4. Provided technical guidance for introducing support of the US market.
5. Introduced measuring performance of a team and individual contributors.
6. Designed and implemented a core part of A/B testing system.

## [Jacq](), Mannheim (GE) —*Software Architect/Head of Engineering*

JUNE 2019 - JANUARY 2020

1. Designed all components of ML platform
2. Organized work of several cross-functional and distributed teams

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

JULY 2018 - MAY 2019

Significantly improved quality of a [product]()

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

FEBRUARY 2017 - JUNE 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

## [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

Won [2 silver medals "Windows IT Pro Community Choice Award Winner 2013"]() and "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**: React, 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, Serverless Framework, 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.
- **AI**: ChatGPT, Bard, CodeWhisperer.