

# Nikita Fedorov

## Built and scaled a B2B SaaS product from zero to monopoly

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### Summary

Product-focused CTO with 10+ years of experience leading infrastructure for hyper-growth startups and builder myself. To the left of the heart is [DDD](#), and to the right is [IDesign](#).

### Education

**Saint Petersburg State Electrotechnical University "LETI"**

Saint Petersburg, Russia

MSc in Computer and Information Systems Security

08/2015 - 08/2021

### Experience

#### CTO

[Funtico](#)

02/2024 - Present

Built the entire technical foundation for a gaming platform with real-money tournament infrastructure and crypto-native payments.

- **TICO token** on [CoinMarketCap](#), [CoinGecko](#), [MEXC](#), [Gate.io](#), [BitMart](#) and [Uniswap](#)
- **Ory Hydra & Kratos** (IDP), [Verisoul](#) (KYC), [Hubspot](#) (CRM) to support **90k shareholders**
- **Bitgo** (Custody), [Sumsb](#) (KYC), [Scorechain](#) (KYT) to secure **\$160M in assets**
- **Simplex**, [NowPayments](#), [Wert](#) and [Avalanche](#) partnership for **fiat & crypto payments**
- [Porter](#), [Vercel](#) and [Cloudflare](#) for **7 websites, 48 AWS services and 144 code repositories**
- [Amazon GameLift](#) and [EdgeGap](#) for **multiplayer**
- [Mirror](#) and [Fish Networking](#) for **tournaments without gambling licence**
- personal contribution **1M LOC in 6K commits**

#### Founding Engineer

[Zeta Labs](#)

11/2023 - 02/2024

Early-stage execution at speed in a top-tier AI-native startup.

- First **hires**; First **MVP**; First **Product-Market Fit**
- *Startup backed by [Nat Friedman](#) and [Daniel Gross](#)*

#### L5 Blockchain Senior SWE

[Visa](#)

07/2023 - 11/2023

Contributed to Visa's crypto and stablecoin initiatives.

#### L6 Blockchain Senior SWE

[Capital.com](#) / [Currency.com](#)

06/2022 - 06/2023

Architected multi-chain security infrastructure for the exchange with the **fastest growth in 2023**.

- [XEC](#), [Fantom](#), [VeChain](#) and [Ethereum 2.0](#) integrations for **multi-chain support**
- **Microservice domain-oriented fault-tolerant** architecture for **5 blockchain networks** ([VeChain](#), [Cosmos](#), [Polkadot](#), [Tron](#), and [Zilliqa](#)).
- [Chainalysis](#), [Crystal](#), and [Coinfirm](#) for **KYC AML/CFT compliance at lowest cost**
- 150+ smart contract security audits for **CEX compliance audit**
- Crafted and deployed Solidity smart contracts across **multiple EVM networks**

#### CTO

[Targeting Platform](#)

02/2019 - 06/2022

Started and scaled a B2B SaaS product from zero to monopoly.

- First **hires**; First **MVP**; First **Product-Market Fit**
- Product had **25k DAU** on **free tier** and **3k DAU** on **\$5 subscription** with **\$1k expenses**
- Product that everyone wants with **85% DAU/MAU rate**
- At scale of **1M writes per second**

#### Senior Software Engineer

[BaltInfoCom](#)

09/2018 - 04/2019

Implemented [Palantir](#)-style OSINT tooling for **government-scale graph intelligence**

- Transformed **21-person team into 4 Scrum teams**, doubling delivery frequency
- [Facebook crawler](#) for **large-scale social graph extraction**
- [Ogma](#)-style [Graph Visualization Library](#) with [Three.js](#) and [WebGL](#) for **million-node interactive graph visualization**
- [D3](#) for **graph search, collapsing nodes, smart layouts**
- [SharedArrayBuffer](#) optimizations for **>3GB graph exports**
- [Linkurious](#)-style [Octopus/Universal Data Analysis Platform](#) for **Open Source Intelligence**

#### Middle Software Engineer

[Homework](#)

08/2017 - 09/2018

Where I learned what good looks like — mature Scrum, DDD, user interviews and real cross-team collaboration.

- [Homework](#), [Yougrade](#), [HW](#), [Sciterm](#), [Myknow](#) and **20+ landing pages** for EdTech portfolio
- Custom CRM/BPMS/CMS with **DDD**
- Automated A/B testing for sales funnels — **+14% sales in first month**
- Automated **payroll**, **PDF reports**, **receipts** and **email workflows**
- [SEO](#), [IE6](#), and SQL optimization **for conversion and performance**

**Intern** [Emergn](#) 07/2015 - 09/2016

- Scrum training under mentorship at a **global Software consultancy**.
- Shipped bus schedule management tool — **used daily for 1+ year in production**

**Freelance Developer** [Upwork](#) 09/2015 - 08/2017

- Wrote custom software solutions including bachelor's dissertations in programming
- Created **10-15 websites**

**Physics Tutor** self-employed 09/2013 - 01/2017

- Prepared students for exams in physics, mechanics, and electrical engineering

## Community

**Content Creator** 2019 - Present

- [Translated WebGL lessons](#) with [Greggman](#) - **most popular learning resource for graphics devs**
- Started [Youtube channel](#) with **1M views**

**Microsoft Student Partner** Microsoft 2016

- Organized Microsoft Student Day and [Microsoft Imagine Cup](#) events

**Volunteer Developer** [JUG.RU Group](#) 2016

Developed an application for cross-publishing for conferences:

- [HolyJS](#), [JPoint](#), [Heisenbug](#), [.NEXT](#), [Joker](#), [C++ Conf](#)

## Code Mentoring

**Senior Frontend Developer Mentorship** [Pinkman Design Studio](#) 2021

- Helped senior developer secure a leading position through pair programming
- Technologies: Vue, Nuxt, TypeScript

**Backend Consulting** 2020

- Provided consulting for mobile document management application backend
- Technologies: NestJS, MongoDB, TypeScript

## Certifications

**Professional Scrum Master (PSM 1)**, [Scrum.org](#) 2023

**Web Security Professional**, [Hacktory](#) 2021 - 2022

**Secure Software Design: Software Design as an Element of the Software Development Lifecycle**, 2022

[University of Colorado](#)

**Microcontroller Programming STM32**, [STC Metrotek](#) 2017

**ASP.NET Web Development**, [Microsoft Student Partners](#) 2016

**Neural Networks and Computer Vision**, [Samsung Research Russia](#) 2016

**Neural Networks, Python Programming, Analyzing data in R, Introduction to databases**, [R2016](#)

**Programming, Basics of statistics**, [Bioinformatics Institute](#)

**Theory of argumentation, Philosophy, Rhetoric**, [IKBFU I. Kant](#) 2017

**Scientific thinking**, [SKB Kontur](#) 2017 - 2018

**Java**, [Computer Science Center](#) 2016

**Advanced C/C++ Programming**, [Mail.Ru Group](#) 2016

**Java Internship**, [Emergn](#) 2016

## Projects

100+ web services & libraries, 20+ websites, 30+ landing pages, 5+ installable web apps, 4 games, 3 mobile apps, 1 desktop app.

[Funtico](#) Funtico 02/2024 - 01/2026

<ul style="list-style-type: none"> <li>◦ PHP, Laravel, NodeJS, Fastify</li> <li>◦ React, TypeScript</li> </ul>		
<b>Golazo League</b> (Game)	Funtico	10/2024 - 01/2026
<b>Solitaire Slam</b> (Game)	Funtico	10/2024 - 01/2026
<b>Formula Funtico</b> (Game)	Funtico	10/2024 - 01/2026
<b>Bingo Rampage</b> (Game)	Funtico	10/2024 - 01/2026
<b>Godot SDK demo</b> (Game)	Funtico	08/2025 - 08/2025
<b>Unity SDK demo</b> (Game)	Funtico	08/2025 - 08/2025
<b>HTML5 SDK demo</b> (Game)	Funtico	08/2025 - 08/2025
<ul style="list-style-type: none"> <li>◦ C#, .NET Core, Unity</li> <li>◦ <a href="#">Mirror</a> and <a href="#">Fish Networking</a></li> <li>◦ Fastify, NodeJS</li> </ul>		
<b>Funtico GameDev platform</b>	Funtico	10/2025 - 01/2026
<ul style="list-style-type: none"> <li>◦ Golang, PostgreSQL</li> <li>◦ NodeJS, React, TypeScript, Tailwind</li> </ul>		
<b>Funtico Gameloop</b>	<a href="#">Avalanche</a>	09/2025 - 10/2025
<ul style="list-style-type: none"> <li>◦ Golang</li> <li>◦ React, TypeScript, Tailwind</li> </ul>		
<b>Funtico Auth</b> (SSO)	Funtico	09/2025 - 10/2025
<ul style="list-style-type: none"> <li>◦ Golang</li> <li>◦ NextJS, React, TypeScript, Tailwind</li> </ul>		
<b>Funtico Sports</b>	<a href="#">FIFA</a>	08/2025 - 09/2025
<ul style="list-style-type: none"> <li>◦ PHP, Laravel</li> <li>◦ React, TypeScript</li> </ul>		
<b>Funtico OnRamp</b>	Funtico	07/2025 - 07/2025
<ul style="list-style-type: none"> <li>◦ Golang, PostgreSQL</li> <li>◦ NextJS, React</li> </ul>		
<b>Funtico Events</b>	Funtico	04/2025 - 06/2025
<ul style="list-style-type: none"> <li>◦ NodeJS, Fastify, TypeScript, MySQL</li> </ul>		
<b>Payment Service Provider</b>	Funtico	03/2024 - 04/2024
<ul style="list-style-type: none"> <li>◦ Golang, PostgreSQL</li> </ul>		
<b>\$TICO</b>	Funtico	01/2025 - 02/2025
<ul style="list-style-type: none"> <li>◦ <a href="#">ERC20</a> token on <a href="#">CoinMarketCap</a>, <a href="#">CoinGecko</a>, <a href="#">MEXC</a>, <a href="#">Gate.io</a>, <a href="#">BitMart</a> and <a href="#">Uniswap</a></li> <li>◦ PHP, Laravel</li> <li>◦ React, TypeScript</li> </ul>		
<b>Funtico Multiplayer</b>	Funtico	10/2024 - 12/2024
<ul style="list-style-type: none"> <li>◦ <a href="#">Amazon GameLift</a> and <a href="#">EdgeGap</a></li> <li>◦ NodeJS, Fastify, TypeScript, MySQL</li> </ul>		
<b>Joker NFT</b>	<a href="#">KGeN</a>	09/2024 - 09/2024
<ul style="list-style-type: none"> <li>◦ <a href="#">ERC-721</a> token</li> <li>◦ Solidity, NodeJS</li> </ul>		
<b>Lucky Fanatic</b>	Funtico	06/2024 - 06/2024
<ul style="list-style-type: none"> <li>◦ React</li> </ul>		
<b>Funtico Payments</b>	Funtico	05/2024 - 06/2024
<ul style="list-style-type: none"> <li>◦ <a href="#">Simplex</a>, <a href="#">NowPayments</a>, <a href="#">Wert</a> and <a href="#">Avalanche</a></li> <li>◦ NodeJS, Fastify, TypeScript, PostgreSQL</li> </ul>		
<b>Funtico Summoners</b> (Pre-sale page)	Funtico	05/2024 - 05/2024
<ul style="list-style-type: none"> <li>◦ PHP, Laravel</li> <li>◦ NextJS, React, TypeScript, Tailwind</li> </ul>		
<b>Summoners NFT</b>	Funtico	05/2024 - 05/2024
<ul style="list-style-type: none"> <li>◦ <a href="#">ERC-721</a> token</li> <li>◦ Solidity, NodeJS</li> </ul>		

<b>Funtico Accounting</b>	Funtico	03/2024 - 09/2024
<ul style="list-style-type: none"> <li>◦ <a href="#">Bitgo</a> (Custody), <a href="#">Sumsb</a> (KYC), <a href="#">Scorechain</a> (KYT)</li> <li>◦ NodeJS, Fastify, TypeScript, PostgreSQL</li> </ul>		
<b>The Next Frontier of Web3 Gaming</b>	Funtico	02/2024 - 03/2024
<ul style="list-style-type: none"> <li>◦ NextJS, React, TypeScript, Tailwind</li> </ul>		
<b>jace.ai</b> (Email drafts)	Zeta Labs	11/2023 - 02/2024
<ul style="list-style-type: none"> <li>◦ Python, FastAPI</li> <li>◦ React, NextJS, TypeScript, Node.js</li> </ul>		
<b>Stablecoins</b>	Visa	07/2023 - 11/2023
<b>Accounting</b>	<a href="#">capital.com</a>	10/2022 - 06/2023
<ul style="list-style-type: none"> <li>◦ PostgreSQL, AWS, Jenkins, Grafana, Kibana, Java, Spring Framework</li> </ul>		
<b>Exchange/Trading platform</b>	<a href="#">currency.com</a>	06/2022 - 06/2023
<ul style="list-style-type: none"> <li>◦ <a href="#">Chainalysis</a>, <a href="#">Crystal</a>, and <a href="#">Coinfirm</a></li> <li>◦ Apache Kafka, Web3, Cryptography, Digital Signatures, PostgreSQL, Grafana, Kubernetes, Microservices, DDD, Hexagon, Blockchain, Kibana, AWS, Jenkins</li> <li>◦ Java, Spring Framework, TypeScript, Node.js</li> </ul>		
<b>Fantom</b>	<a href="#">currency.com</a>	10/2022 - 11/2022
<ul style="list-style-type: none"> <li>◦ Java, Spring Framework, Cryptography</li> </ul>		
<b>Ethereum 2.0</b>	<a href="#">currency.com</a>	09/2022 - 09/2022
<ul style="list-style-type: none"> <li>◦ Solidity migration, chain split</li> </ul>		
<b>Cosmos, Polkadot, Tron, and Zilliqa</b>	<a href="#">currency.com</a>	07/2022 - 09/2022
<ul style="list-style-type: none"> <li>◦ Apache Kafka, Cryptography, TypeScript, Node.js</li> </ul>		
<b>XEC and VeChain</b>	<a href="#">currency.com</a>	06/2022 - 07/2022
<ul style="list-style-type: none"> <li>◦ Apache Kafka, Cryptography, TypeScript, Node.js</li> </ul>		
<b>Targeting platform</b>	<a href="#">vTargete.ru</a>	02/2019 - 06/2022
<p>Ads management data grid with time travel features like <a href="#">in Figma</a>, batch updates, task scheduler with <a href="#">drag and drop</a> predicate builder and <a href="#">selectable</a> timetable, excel-like <a href="#">cell computing</a> with <a href="#">ProseMirror</a> and <a href="#">MathJS</a> formula editor, <a href="#">CRDT</a>, <a href="#">differential synchronization</a> and shared worker sync. Closest analogue is <a href="#">Airtable</a>.</p> <ul style="list-style-type: none"> <li>◦ TypeScript, Vue 1-2, AgGrid, Lerna, Storybook, WebSockets, Workers</li> <li>◦ PHP, Laravel, Equivalent, ClickHouse, MySQL</li> </ul>		
<b>Service Desk</b> (admin panel)	freelance	02/2020 - 02/2020
<ul style="list-style-type: none"> <li>◦ TypeScript, Vue 3, Tailwind CSS, i18n, Design</li> </ul>		
<b>Rule Engine</b> (lib, docs)	<a href="#">vTargete</a>	02/2019 - 06/2022
<ul style="list-style-type: none"> <li>◦ TypeScript, Docusaurus, Gulp</li> </ul>		
<b>Reverse engineering VK</b>	<a href="#">vTargete</a>	02/2019 - 06/2022
<ul style="list-style-type: none"> <li>◦ JavaScript, React, Playwright, Chrome DevTools, CSS</li> </ul>		
<b>Graph Visualization Library</b>	<a href="#">BaltInfoCom</a>	09/2018 - 04/2019
<p>TypeScript library for large-scale interactive graph visualizations. Graphical engine built for <a href="#">Three.js</a> first, some hard parts with <a href="#">WebGL</a>. Uses SVG for labels with CSS formatting, HTML for controls like context menu. Features: graph search, collapsing nodes, smart layouts with <a href="#">D3</a>, export graphs as pictures &gt;3GB, optimizations with <a href="#">SharedArrayBuffer</a>. Closest analogue: <a href="#">Ogma</a>.</p> <ul style="list-style-type: none"> <li>◦ TypeScript, Rollup, <a href="#">Three.js</a>, <a href="#">D3</a>, WebGL, d3-quad-tree</li> </ul>		
<b>Data Gateway</b>	<a href="#">BaltInfoCom</a>	09/2018 - 04/2019
<ul style="list-style-type: none"> <li>◦ NodeJS, Express, JavaScript</li> </ul>		
<b>Universal Data Analysis Platform</b>	<a href="#">BaltInfoCom</a>	09/2018 - 04/2019
<p>Open Source Intelligence. Closest analogue: <a href="#">Palantir</a> or <a href="#">Linkurious</a>.</p> <ul style="list-style-type: none"> <li>◦ Web app on-prem</li> <li>◦ Java, Spring, Neo4j/Cypher, Elastic, Scala, MapReduce, Hive, Spark, Hadoop, HBase</li> <li>◦ TypeScript, Vue, Knockout, Bower, RequireJS</li> </ul>		
<b>Facebook crawler</b>	<a href="#">BaltInfoCom</a>	08/2018 - 08/2018
<ul style="list-style-type: none"> <li>◦ React, CSS, TypeScript, Nightmare.js, Puppeteer</li> </ul>		

<b>Partner Cabinet</b> (admin panel)	Homework	08/2017 - 09/2018
<ul style="list-style-type: none"> <li>◦ C#, MSSQL, NHibernate</li> <li>◦ TypeScript, Angular 4+, HTML, SCSS</li> </ul>		
<b>Custom CRM/BPMS/CMS</b> (back-office)	Homework	08/2017 - 09/2018
Domain driven design, LEARN(Agile). Interacted with all employees of the company, different departments.		
<ul style="list-style-type: none"> <li>◦ DDD, C#, MSSQL, NHibernate</li> <li>◦ ECMAScript 5, jQuery, HTML, SCSS</li> </ul>		
<b>Homework, Yougrade, Sciterm, Myknow, Homework</b>		08/2017 - 09/2018
<b>20+ landing pages</b> (SEO-optimized websites)		
<ul style="list-style-type: none"> <li>◦ C#, MSSQL, NHibernate, Memcached</li> <li>◦ ECMAScript 3, jQuery, HTML, SCSS</li> <li>◦ Photoshop, Illustrator</li> </ul>		
<b>Technobus</b> (web/mobile app)		
<ul style="list-style-type: none"> <li>◦ Java, Android</li> <li>◦ JavaScript, jQuery, Gulp, HTML, SCSS</li> </ul>		
<b>MyEco.city</b> (website)	HackSpb	2016
<ul style="list-style-type: none"> <li>◦ PHP, MySQL, Symfony, Twig</li> <li>◦ JavaScript, jQuery, HTML, CSS</li> </ul>		
<b>Artist's promo</b>	xdontstopmenow	2016
<ul style="list-style-type: none"> <li>◦ JavaScript, jQuery, HTML, SCSS</li> </ul>		
<b>Kompas Plugins</b> (desktop)		
<ul style="list-style-type: none"> <li>◦ C#, Windows Forms</li> </ul>		
<b>MuseumGate. Bluetooth navigation with beacons</b>	EPAM	2016
Java Android and C# WinPhone. More about <a href="#">beacon BLE technology</a> .		
<ul style="list-style-type: none"> <li>◦ <a href="#">Project presentation</a>.</li> </ul>		

## Responsibilities

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### API & Integration Architecture

- Generation and analysis of [OpenAPI](#) REST interfaces and MQ for service communication transparency
- Idempotency of all requests with request inbox pattern: POST always 200 and edit lock if 500 like in [AWS client token](#) and [Stripe Idempotency-Key](#). Versioned or fingerprinted GET like in [Google Cloud](#). [Soft DELETE](#) with 200 in short time window
- Integration events idempotency from "at least once delivery" to "at most once delivery" with transaction outbox pattern

### Security

- Prevent forgery of entries in the database with [nonce](#)
- Prevent forgery of entries from external services with [digital signatures](#) using [AWS KMS](#) and [Vault](#)
- Hiding sensitive data with [hash-based](#) exchange

### System Design

- Making architectural decisions at project initiation (domain splitting, strict borders)
- Providing [PlantUML](#) architecture diagrams
- Using [Event Storming](#) for [incremental architecture](#)

### Front-end Architecture




- Compliance with boundaries of reuse of packages between domains
- Reducing the number of open connections to the backend
- First page load time optimization
- Offline support
- Accessibility and semantic core
- Legacy browsers support
- CSS methodology and its performance characteristics

### Scrum

- Stand-ups always plan tasks for the day
- Retrospectives always end with the creation of tasks in the backlog
- Planning always ends with evaluations, where 1 task = 1 story point = 1 acceptance test
- Demo is always prepared between code review and task completion

## Skills
















**Programming Languages:**  TypeScript,  Java,  C#,  JavaScript,  Python,  PHP,  Golang,  HTML,  CSS,  SCSS,  LESS,  PostCSS,  GLSL,  C,  Verilog,  VHDL

**Rest:**  Vue 1-3,  React,  Angular, Three.js, D3, WebGL, Tailwind CSS, Bootstrap, SemanticUI, ElementUI, AntUI, styled-components, Redux, MobX, Vuex, Rx, BEM, d3-quad-tree, Knockout, Bower, RequireJS, NHibernate, jQuery, Photoshop, Illustrator, Node.js, Spring Framework, Laravel, NestJS, Express, TypeORM, Digital Signatures, AgGrid, WebSockets, Workers

**Databases:** PostgreSQL,  MySQL,  Neo4j/Cypher,  MongoDB, ClickHouse,  Elastic, Memcached, Redis, Scylla (Cassandra), Amazon QLDB, Amazon DynamoDB, HBase

**Infrastructure:** AWS, Kubernetes, Docker, Kafka, Grafana, Kibana, Jenkins, Git, SVN

**Blockchain:** Cryptography, Web3, Ethereum, VeChain, Cosmos, Polkadot, Tron, Zilliqa

**Dev tools:**  Storybook,  Lerna,  Turbopack,  Nx,  Webpack,  Babel,  Rollup,  Gulp,  ESLint,  TSLint,  Prettier,  Mocha,  Jest,  Vite,  Vitest

**Tools:** Jira, YouTrack, Trello, GitLab, Confluence, Maven

**Methodologies:** DDD, Microservices, Scrum, Event Storming

**Languages:** Russian (native), English (proficient)

*Data Processing Agreement: I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)*