

# Dmitrii Selikhov

## CTO, Software Architect, Technical Lead

🌐 Miami Beach, Florida, United States

🌐 Punta Cana, La Altagracia, Dominican Republic

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## About

With a **Master's degree in Mathematics and Computer Science** and over **15 years of professional experience (including MBA)** in both startups and enterprises, I am a technical strategic leader specializing in guiding products from initial concept to successful launch. I excel in managing teams of up to 100 members, fostering high-performance cultures, and driving innovation. My collaborative leadership style enables me to engage effectively in both technical and business discussions, whether internally or with clients. My expertise spans **WEB2** and **WEB3** sectors, leveraging technologies such as JavaScript/TypeScript (React.js, Next.js, Vue.js, Nuxt.js, Svelte, Stencil, Angular) with CSR/SSR/SSG/SPA/PWA, alongside back-end systems using Node.js, Nest.js, Go, Rust, and Move. I am experienced in monolithic, microservices, and serverless architectures deployed on AWS, Azure, and Google Cloud platforms.

**Competencies:** Architecture · Integration Strategy · 0 - 1 Product Development · API Design and Development · UI/UX Design and Development · Software Development · Global/Local People Management (Onshore/Offshore) · Product/Project Management · Process Structuration and Optimization · Executive Leadership · Continuous Improvements · Professional Services

**Stacks:** MERN · MEAN · LAMP · JAM · MEVN · PERN · ROR · MEEN · ELK · WAMP · XAMPP · TALL · PWA · LEAN · FARM · SERN

## Experience

**CheapHotelsHub.com** Office Full-Time

Aug 2023 - Present

### Chief Technology Officer

**Responsibilities:** Technical Leadership (Defining the Technical Strategy and Vision, Architecting the System Infrastructure, Building and Leading a Technical Team, 0 - 1 Product Development (Launching and Maintaining)); Team Leadership; Marketing: Digital Marketing (Google Ads, Meta Ads), Online Marketing (Calls/SMS/MMS/Emails); SEO and SERP; Led 5 Agile teams and managed the entire development process (including personal Kanban backlog strategy); B2B and B2C Data Providers/Vendors, 2D/3Ds Payment Gateways, CI/CD pipelines integrations; Security Compliance & Identity Fundamentals;

**Technologies:** React.js · Next.js · Node.js · Nest.js · Clerk.js · Vercel · AWS · EC2 · S3 · Go · Rust · UI/UX · Prisma · MongoDB · DynamoDB · MySQL · PostgreSQL · SQLite (C/C++ based) · Tailwind UI · Tailwind CSS · Payment API · Security API · Travel API · Ads API · Anti-fraud API · Anti-scam API · CI/CD · Agile · Scrum · Kanban · Redis · Radix UI ·

Headless UI · Shadcn UI · Canva · AI · tRPC · gRPC · Zod · Yup · Docker · Kubernetes · Terraform · NPM · PNPM · TURBO

**Super Studios Inc.** Remote Full-Time

Mar 2023 - Aug 2023

### Senior Full Stack Developer

**Responsibilities:** Created 3 applications (SSR/CSR/SSG/SPA): Vue.js/Nuxt.js/Pinia/JavaScript/TypeScript responsive HTML5/CSS3 websites; Worked on Web3/Crypto/Blockchain applications (including swaps, trades, wallets for websites); Worked on NFT marketplace, delivered features, worked on fixes/improvements and strengthened security protocols.

**Technologies:** Vue.js · Nuxt.js · Options API · Composition API · Pinia · JavaScript · TypeScript · HTML5 · CSS3 · Web3 · Web3.js · Ethers · Ethers.js · NFT · Crypto · Blockchain · Payment API · Trade API · Wallet · Explorer · AI

**University of Miami** Remote Full-Time

Aug 2022 - Mar 2023

### Lead Software Engineer

**Responsibilities:** Led the development and implementation of a cutting-edge software solution for a cancer research project, leveraging advanced technologies and algorithms to analyze and interpret medical data. Designed and implemented data processing pipelines and algorithms to handle large-scale genomic and clinical data sets, facilitating data integration and analysis for cancer research purposes.

**Technologies:** Android · IOS · WebRTC · Video/Audio · SMS/MMS · React.js · Next.js · Nest.js · Node.js · MUI (Material UI) · Tailwind (CSS + UI/UX) · API · RESTful · GraphQL · Figma · MongoDB · DynamoDB · Jira · Trello · SQL · MySQL · JavaScript · TypeScript · NoSQL · MongoDB · Cypress · Cypress · Nest.js · DevOps · CI/CD

**Tier1 Financial Solutions** Remote Full-Time

Jan 2022 - Aug 2022

### Technical Lead

**Responsibilities:** Led the development of a comprehensive banking and CRM software solution, serving as the Node.js and React full-stack tech lead, responsible for driving the technical direction and ensuring the successful implementation of the system. Architected and designed scalable and robust back-end systems using Node.js, leveraging its event-driven architecture and asynchronous programming model to efficiently handle high-volume transactions and data processing.

**Technologies:** JavaScript · SQL · MySQL · Node.js · React Hooks · RESTful architecture · NoSQL · Storybooks · Next.js · Team Leadership · Microsoft Azure · REST APIs · Vercel · React.js · MongoDB · Leadership · TypeScript · Nest.js · React Context

**AB InBev** Remote Full-Time

Apr 2021 - Jan 2022

### Tech Lead Engineer

**Responsibilities:** Led the development of a large-scale banking system, serving as the Node.js, Nest.js and React tech lead engineer responsible for architecting and implementing robust and scalable solutions. Optimized banking system performance by implementing caching, indexing, and code optimization with server optimization to efficiently handle high transaction volumes.

**Technologies:** JavaScript · TypeScript · React Native · React Query · React Router · Node.js · CRM Integration · API Integration · REST architecture · CI/CD architecture · React.js · Next.js · Agile · Scrum · Team Leadership · Tech Leadership · CRM Databases · CMS Contents · Azure · Leadership · Banking · Processing · Kafka · RabbitMQ · ActiveMQ · Amazon Web Services (AWS)

**CiiRUS Vacation Rental Software** Remote Full-Time

Jul 2020 - Mar 2021

### Full Stack Engineer

**Responsibilities:** Developed and maintained highly scalable and performant full-stack apps for a high-tech enterprise vacation rental platform (B2B and B2C booking engines), utilizing technologies such as Vue, React, Angular for the front end and Node, Go, and Python for the back end. Implemented authentication and authorization systems, secured APIs, and safeguarded data input/output, ensuring robust security and efficient performance.

**Technologies:** JavaScript · AngularJS · Agile Methodologies · Microsoft Azure · TypeScript · HTML5 · CSS3

**Self Employed (US)** Remote Full-Time

Mar 2019 - Jun 2020

### Lead Front-end Developer | Lead Back-end Engineer, Team Leader

**Responsibilities:** Led a team of developers, providing technical guidance, code reviews, and mentoring to ensure the delivery of high-quality code and adherence to best practices. Spearheaded the development of a highly responsive and visually appealing front-end application, utilizing modern frameworks and technologies such as React, Angular, or Vue.

**Technologies:** JavaScript · Node.js · Angular.js · Vue.js · React.js · TypeScript · REST · API

**Coalition Technologies** Remote Full-Time

Sep 2017 - Mar 2019

### Senior Front-end Developer | Senior Back-end Engineer

**Responsibilities:** Implement UI/UX interfaces (responsive and adaptive). Optimize performance, scalability, and maintainability of web interfaces. Collaborate with designers and developers for integrated solutions. Implement APIs, databases, and services.

**Technologies:** BigCommerce · Shopify · Wordpress · WooCommerce · Magento 1/2 · SEO · SERP · JavaScript · Node.js · Angular.js · Vue.js · React.js · TypeScript · REST · API

**Cronix MicroSystems** Office Full-Time

Mar 2016 - Sep 2017

### Chief Technology Officer

**Responsibilities:** Led the successful implementation of a company-wide digital transformation strategy, modernizing legacy systems and transitioning to a scalable, cloud-native architecture. Mentored and coached software development teams, fostering a culture of continuous learning, innovation, and professional growth.

**Technologies:** Team Leadership · Project Leadership · Product Leadership · Agile · Scrum · Kanban · Software Engineering · System Architecture · API Architecture · UI/UX Architecture

**Guru.com** Remote Full-Time

Jan 2015 - Mar 2016

### Team Lead, Senior Software Developer

**Responsibilities:** Led and managed a high-performing team of full-stack developers to successfully deliver complex projects using Agile (Scrum) with Kanban. Mentored and coached junior developers, fostering their growth (soft skills) and technical expertise (hard skills). Collaborated with UX/UI designers, automations and manuals QAs. Deliver daily updates and weekly demos.

**Technologies:** JavaScript · TypeScript · Node.js · Express.js · Webpack · Gulp · Grunt · HTML5 · CSS3 · Git · GitHub · GitLab · Trello · Jira · CI/CD · ES5/ES6 · Agile · Scrum · Kanban · Adobe \* Figma

**Scopic Software** Remote Full-Time

Feb 2014 - Jan 2015

### Senior Web Developer

**Responsibilities:** Develop interactive web applications (0 - 1 implementation). Work on fixes/improvements/features. Develop rich media applications, work on performance and optimization. Continuous delivery and continuous integration. Using Trello and Jira split tasks between developers and other team members. Provide full reports for PMs and CTOs, handle daily calls and weekly demos.

**Technologies:** JavaScript · Canvas (2D/3D) · HTML5 · CSS3 · PHP · Laravel · Lumen · Symfony · CodeIgniter · Wordpress · Flash · Flex · MySQL · MsSQL · Linux · Nginx · Apache · Git · GitHub · GitLab · CI/CD

**Stork** Office Full-Time

Sep 2011 - Jan 2014

### Full Stack Engineer

**Responsibilities:** Design and develop web, mobile and social applications (Minutta - 30,000,000 registered users in Eastern Europe). Worked on 3 UI/UX applications 70% of the time: web application (HTML5/CSS3 + Canvas), mobile (Java + Android SDK/NDK) and Flash/Flex. Worked on the high load server 30% of the time: PHP (Laravel + Lumen), MySQL/MsSQL, Linux with Nginx + Apache + Jenkins

**Technologies:** JavaScript · ActionScript · Canvas · HTML5 · CSS3 · PHP · Flash · Flex · Laravel · Lumen · MySQL · MsSQL · Linux · Nginx · Apache · C/C++ · Git · GitHub · GitLab · CI/CD · Server · Jenkins · Java

**Oryol State Technical University (Oryol STU)** Office Internship

Sep 2009 - Sep 2011

### Front-end | Back-end: Trainee Developer

**Responsibilities:** Assist students (1:1 and groups up to 5) in developing responsive (adaptive) web interfaces using HTML, CSS, and JavaScript; API using PHP and PERL; Databases (models and collections) using MySQL and MsSQL. Help students to build Desktop (Linux/Windows) applications using C/C++ and QT3/QT4/QT5. Help in dissertations

and graduations writing (mathematics, computer science and physics).

**Technologies:** JavaScript · HTML · CSS · MySQL/MsSQL · Node.js/Express.js · PHP · PERL · C/C++ · QT3/QT4/QT5

## Education

**Oryol State Technical University (Oryol STU)** 2012 - 2014

Mathematician. System programmer. Computer science.  
Master's degree in mathematician, system programming and computer science.

**Oryol State Technical University (Oryol STU)** 2007 - 2012

Mathematician. System programmer. Computer science.  
Bachelor's degree in mathematician, system programming and computer science.

## Skills

JavaScript Node.js SQL MySQL PostgreSQL MariaDB Redis Memcached HTML CSS Git Svn GitHub GitLab BitBucket Gimp NPM AWS Azure Vim Linux Apache Nginx LAMP stack Monolithic Microservices Pub-Sub Kanban CI/CD	15 years
Adobe Adobe Photoshop Adobe Illustrator AJAX XHR	14 years
Agile Scrum Express.js Koa.js GraphQL Angular.js WebSocket Socket.io	12 years
Gulp Grunt SequelizeORM Axios Fetch Serverless	11 years
HTML5 CSS3 Canvas 2D Canvas 3D NoSQL MongoDB DynamoDB SQLite Kafka ActiveMQ RabbitMQ Bootstrap Jasmine Jest Mocha Chai Less SASS SCSS Stylus	10 years
Webpack Nodemon NVM PM2 D3.js P5.js Three.js Paper.js Fabric.js Kinetic.js Easel.js YARN DigitalOcean GoDaddy MobX Web Components Module Federation	9 years
TypeScript React.js Next.js Vue.js Nuxt.js Svelte Stencil Angular Nest.js React Native React Query React Router Redux Remix Storybook Ant Design Firebase Invision Sketch Apollo GraphQL Apollo Server Apollo Client Chart.js Day.js Moment.js Ionic MUI Material Design Material UI/UX Chakra UI Semantic UI RxDB RxJS Web3 Web3.js Ethers Ethers.js JAM stack MERN stack MEAN stack Virtual DOM	8 years
Go Blockchain Crypto NFT BEP-20 ERC-20 ERC-721 ERC-1155 GitHub Actions BitBucket Pipelines Vite Rollup Lerna PNPM TURBO Stripe Wise PayPal Checkout TypeORM DrizzleORM TypeORM Vercel Netlify Heroku	7 years
Figma CircleCI ChipperCI GitLabCI React Context React Hooks Styled Components Tailwind UI Tailwind CSS Docker Kubernetes Terraform tRPC gRPC Zod Yup Prisma Cloudflare Shadow DOM	6 years
Fastify Webflow Wix Bubble Retool KnexORM Zustand SWR	5 years

Go	Rust	Cassandra	Realm	PlanetScale	OpenAI	ChatGPT	Solidity	Rust	4 years
Dribbble	BUN	Undici							3 years
Move	Canva	Ark UI	Chakra UI						2 years
Radix UI	Headless UI	Shadcn UI							1 years

## Languages


English - Native

Spanish - Proficient

Ukrainian - Proficient

Russian - Native

## Projects



**Cardlytics (CDLX - NASDAQ)**

Purchase Intelligence helps marketers identify opportunity, reach real people with relevant ads, then precisely measure the results.

MUI

React

Vue

SQL

NoSQL

Node

Kafka

JavaScript

TypeScript


AWS

EC2

S3

Serverless

Lambda



**Z-Tech (Anheuser-Busch Inbev)**

Z-Tech is an innovation group part of Anheuser-Busch Inbev which mission is to empower small and medium-size businesses to change the world through technology.

UI/UX

React

React Native

React Query

React Context

React Hooks

Nest.js


Node.js

Azure

tRPC

gRPC

CI/CD



**University of Miami (Health System)**

Medicine research project (NDA)

Android

IOS

WebRTC

Video/Audio

SMS/MMS

React.js

Next.js

Nest.js

Node.js

MUI

Tailwind

API

RESTful


GraphQL

Security

Figma

MongoDB

DynamoDB



**Tier1 (Financial Solutions)**

Global leader in CRM software for capital markets & investment banking.

React

Redux

Hooks

Context

MySQL

PostgreSQL


Node.js

Nest.js

Figma

ORM

CRUD



**Social News Desk**

Social media management tools for today's critical communicators

SEO

React

React Native

React Hooks

React Context


Figma

Responsive/Adaptive

UI/UX

JavaScript

TypeScript



**Cheap Hotels Hub**

AI-powered hotel reservation platform using cutting-edge technology to deliver personalized, real-time hotel recommendations and bookings.


CTO

Technical Leadership

Marketing

Team Leadership

AI



**Live Art**

The World's #1 ArtFi Ecosystem. LiveArt brings the \$2-trillion-dollar art asset class to global crypto audiences.

UI kit

API kit

WEB2/WEB3

Token


Contract

Payment

Storybook

ERC-721

ERC-1155



**Pontem Network**

Pontem is the multichain product studio behind Lumio — the L2 for every VM on every chain. Build once, deploy everywhere with Lumio.

WEB3

Wallet

Explorer

React.js


Next.js

Nuxt.js

Vue.js

Swap

Liquidity



**Super Studios**

Build decentralized Web3 products to accelerate the world's adoption of crypto technology.

WEB3

Nuxt.js

Vue.js

Crypto

Token

SEO

Marketing

Optimization

Performance

UI/UX

\$SUPER

NTF



## Super Verse

The decentralized autonomous organization that powers the SUPER ecosystem.

WEB3 Blockchain Crypto

Token Vite Cloudflare

Pipelines Docker WebGL



## Impostors

A Free-to-Play Social Deduction Game Riddled with Intrigue, Excitement, and a Dash of Mystery

WEB3 Animation 2D/3D

Nuxt.js Vue.js Crypto NFT

Game Online



## DFinance

Dfinance enables you to create and trade your own blockchain-based financial instruments with natural language tools.

WEB3 Nuxt.js Vue.js

React.js Next.js Tendermint

Cosmos Move



## Private Label Rights (PLR) Content for Coaches

Quality private label content for health & life coaches. 100% written by industry experts in US/CAN.

PHP Laravel Python Django

Parsers Scrappers HTML5

CSS3 Canvas 2D/3D WebGL



## GigaMart

Web3 marketplace for NFTs and crypto collectibles. Browse, create, buy, sell, and auction NFTs.

Web3.js Ethers.js NFT

Vue.js Nuxt.js Options API

Composition API JavaScript

TypeScript Buy/Sell Crypto

Payment API Trade API AI



## Cryplex

Discover, Review, and Rate Top Crypto Projects from all Ecosystems

Web3.js Ethers.js Chart.js

D3.js Vercel React Next

SSR CSR SSG SPA AI

Tailwind Radix UI Headless UI

Parsing Grabbing Big Data

## Contributions

Ledger Nano X / Ledger Nano S

Cosmos SDK / Tendermint SDK

Polkadot Network with a Pontem Network

Storybook Meta Addon

JavaScript/TypeScript public boilerplates (Vue/React/Angular/Node)

Currency Codes (curcode) - ISO 4217 standard

Text Case (text-case) - all possible cases

API for The Financial Instrument (dfin-jsdk)

UI/UX for The Financial Instrument Protocol (dfin-jkit)