

Dmitrii Selikhov

CTO, Software Architect, Technical Lead

🌐 Miami Beach, Florida, United States

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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 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), 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 · 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

Experience

CheapHotelsHub.com Office Full-Time

Aug 2023 - Present

Chief Technology Officer

Responsibilities: Technical Leadership; 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 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

Freelance Remote Full-Time

Sep 2017 - Jun 2020

Senior Front-end Developer | 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

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	15 years
CSS	Git	Svn	GitHub	GitLab	BitBucket	Gimp	NPM	AWS	
Apache	Nginx	LAMP stack	Monolithic	Microservices	Pub-Sub	Kanban	CI/CD		
Adobe	Adobe Photoshop	Adobe Illustrator	AJAX	XHR					
Agile	Scrum	Express.js	Koa.js	GraphQL	Angular.js	WebSocket	Socket.io		12 years
Gulp	Grunt	SequalizeORM	Axios	Fetch	Serverless				11 years
HTML5	CSS3	Canvas 2D	Canvas 3D	NoSQL	MongoDB	DynamoDB	SQLite	Kafka	10 years
ActiveMQ	RabbitMQ	Bootstrap	Jasmine	Jest	Mocha	Chai	Less	SASS	
Webpack	Nodemon	NVM	PM2	D3.js	P5.js	Three.js	Paper.js	Fabric.js	9 years
Easel.js	YARN	DigitalOcean	GoDaddy	MobX	Web Components	Module Federation			
TypeScript	React.js	Next.js	Vue.js	Nuxt.js	Svelte	Stencil	Angular	Nest.js	8 years
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			
Go	Blockchain	Crypto	NFT	BEP-20	ERC-20	ERC-721	ERC-1155	GitHub Actions	
BitBucket Pipelines	Vite	Rollup	Lerna	PNPM	TURBO	Stripe	Wise	PayPal	7 years
Checkout	TypeORM	DrizzleORM	TypeORM	Vercel	Netlify	Heroku			
Figma	CircleCI	ChipperCI	GitLabCI	React Context	React Hooks	Styled Components			6 years
Tailwind UI	Tailwind CSS	Docker	Kubernetes	Terraform	tRPC	gRPC	Zod	Yup	
Prisma	Cloudflare	Shadow DOM							
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
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Projects

<div>Cardlytics (CDLX - NASDAQ)</div> <p>Purchase Intelligence helps marketers identify opportunity, reach real people with relevant ads, then precisely measure the results.</p> <div>MUIReactVueSQL</div> <div>NoSQLNodeKafka</div> <div>JavaScriptTypeScriptAWS</div>	<div>Z-Tech (Anheuser-Busch Inbev)</div> <p>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.</p> <div>UI/UXReactReact Native</div> <div>React QueryReact Context</div> <div>React HooksNest.jsNode.js</div>	<div>University of Miami (Health System)</div> <p>Medicine research project (NDA)</p> <div>AndroidIOSWebRTC</div> <div>Video/AudioSMS/MMS</div> <div>React.jsNext.jsNest.js</div> <div>Node.jsMUITailwindAPI</div> <div>RESTfulGraphQLSecurity</div>
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EC2

S3

Serverless

Lambda

Azure

tRPC

gRPC

CI/CD

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

NFT



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



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

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)