

Illia Zinchenko

Senior Full-Stack Developer / Senior Software Engineer / Senior AI Engineer

location Dnipro, Ukraine / Remote

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links [LinkedIn](#) [GitHub](#) [Blog](#)

SUMMARY

Senior Full-Stack Engineer with 7+ years of experience building and leading complex web, IoT, and AI-powered products across fintech, healthcare, logistics, and ed-tech domains. Proven track record of growing from engineer to team lead, managing distributed cross-functional teams of 15+ and delivering high-impact platforms from scratch to production. Deep expertise across the full JS/TS stack (React, Next.js, Node.js, NestJS), cloud infrastructure (AWS, Firebase), and AI integrations (ChatGPT, Gemini). Passionate about clean architecture, security, and turning business challenges

SKILLS

- **Languages:** TypeScript, JavaScript, Golang
- **Frameworks:** React, Next (Frontend); Node.js, Nest, Express, Fiber (Backend)
- **Databases:** SQL (PostgreSQL, MySQL, Oracle, Aurora PostgreSQL), NoSQL (MongoDB, Firebase Firestore, Firebase Realtime DB, Redis)
- **AI Tools:** Claude Code, JetBrains Junie, Ollama, Open Router
- **DevOps:** Docker, Portainer
- **API:** REST, GraphQL
- **Cloud:** AWS, Firebase
- **VCS:** Git, GitHub, GitLab, BitBucket
- **Testing:** Jest, Mocha, Selenium
- **Security:** OAuth, JWT, SSL/TLS
- **Other:** Tailwind, CSS, SCSS, HTML, Socket.io, RabbitMQ, Discord API, Telegram API, MQTT, AWS IoT, nx-Monorepo, Vercel, Google Analytics

EXPERIENCE

Jan, 2026 — Present

CTO / Co-Founder at BadmHub

Dnipro, Ukraine

BadmHub is a Ukrainian startup combining a tournament management platform and a social network for badminton players, with 1,000+ users. Official partner of Ukrainian Badminton Federation.

- Co-founded and led full-cycle development of a tournament management platform and social network for badminton players, growing to 1,000+ users becoming as an official partner of the Ukrainian Badminton Federation.
- Architected a multi-format tournament system supporting round-robin, single/double elimination, and group stage formats with real-time match scoring and historical data.
- Built a dynamic player rating engine tracking individual progress and ensuring fair competition across tournaments using automated ranking algorithms.
- Developed club management features enabling clubs to manage members, internal rankings, and rosters within a unified platform.
- Delivered a comprehensive analytics dashboard giving players and organizers full visibility into performance and match history across the entire platform.

Apr, 2024 — Dec, 2025

Senior Software Engineer at Uitop

Dnipro, Ukraine / Remote

UITop is software development company specializing in high-complexity B2B systems for industrial ecosystems, delivering AI-powered solutions for warehouse management, fleet tracking, and supply chain — with \$25.3M in yearly revenue impact and 71% of clients staying for 2+ years.

- Promoted to Project Lead managing a distributed team of 6 engineers across 4 countries delivering a financial forecasting platform for enterprise clients.
- Built a multi-year financial forecasting platform enabling large enterprises to model P&L, balance sheet, and cash flow projections using Golang, Oracle, React, and Portainer + AWS.
- Developed an AI-powered accounting automation tool that auto-fetches, analyzes, and categorizes user transactions into structured financial reports using AI integrations via Lambda functions and Plaid API.
- Engineered an IoT-based workforce time-tracking system with punch-in/punch-out hardware devices, automated reporting, and payroll-ready data exports integrating QuickBooks, Plaid, Stripe, and Flinks (Canada banking system).
- Architected and maintained multi-tenant and micro-service cloud infrastructure across all projects using AWS, Docker, RabbitMQ, Redis.

May, 2024 — Dec, 2025

Senior Software Engineer as Consultant at Codelions

Dnipro, Ukraine / Remote

CodeLions is a full-cycle product development company specializing in SaaS, AI, and IoT solutions — from rapid prototypes to large-scale deployments — with strategic partnerships with Techstars and Founder Institute.

- Conducted pre-release security consulting identifying and resolving critical vulnerabilities before production launch using Firebase and Next.js security best practices.
- Delivered new feature development accelerating product readiness for release using Next.js and Firebase.
- Integrated Gemini AI to power an intelligent tutoring system that analyzes student test responses and generates personalized hints within an ed-tech platform using Google Gemini API and Next.js.

Sep 2022 — May, 2024

Senior Software developer & Web Team Lead at TetaLab (Before Jul, 2023) Middle Full-Stack Developer

Dnipro, Ukraine / Remote

TetaLab is a software development company building mobile and web solutions across ordering systems, tourism, entertainment, and IoT domains for clients globally with total 2M+ app users across the world.

- Promoted to Web Team Lead, defining development and QA processes for a cross-functional team of 10+ engineers including mobile, frontend, backend, QA, and designers.
- Led and mentored a JS/TS Full-Stack internship program, improving team onboarding and capacity through hands-on coaching in React and Express.js.
- Managed full team lifecycle including hiring, performance reviews, and personal development plans across a 10+ person engineering team.
- Owned project estimations and resource allocation across 3 simultaneous client projects ensuring on-time delivery and balanced workload distribution.
- Built a healthcare appointment booking platform for a German clinic network, implementing penetration testing and security hardening using NestJS, PostgreSQL, and AWS.
- Developed a logistics and parcel tracking platform with real-time shipment visibility and routing using Socket.io, ReactJS, and AWS infrastructure.
- Built a social platform for plant enthusiasts with IoT device integration for real-time plant monitoring using Firebase Realtime DB, MQTT, Bluetooth, and React.
- Architected scalable cloud infrastructure across all projects using AWS CloudFront, S3, EC2, Lambda, RDS, and VPC.
- Integrated AI-powered features into client products via ChatGPT API and OpenRouter.

Jan, 2021 — Aug, 2022

Junior Software developer at Clockwise Software

Dnipro, Ukraine

Clockwise Software is a US-based software development company delivering SaaS products, marketplaces, and analytics platforms for SMBs and startups globally, with 200+ projects completed and a 4.9-star Clutch rating.

- Maintained and stabilized a legacy full-stack application reducing technical debt and improving system reliability using ReactJS, Node.js, and PostgreSQL.
- Upgraded v6 Node.js step by step to v14 Node.js
- Integrated and supported PayPal payment flows ensuring uninterrupted transaction processing within an existing production codebase.
- Managed cloud deployment and infrastructure for a legacy platform using Heroku and AWS.

Jan, 2021 — Aug, 2022

Software Engineer | Freelance

Dnipro, Ukraine

Self-employed freelance practice taking on client projects helping local businesses grow.

- Built and shipped web3-integrated UI features for a fintech startup using ReactJS.
- Developed a Discord-based football simulation game with real-time game logic and user interactions using Express.js, Discord API, and PostgreSQL.

Sep, 2019 — Dec, 2020

Multimedia engineer at NDA

Dnipro, Ukraine

This is an Ukrainian medical distribution company.

- Developed internal accounting system features reducing manual processing time using C# WFA.
- Developed integration with 1C databases.
- Resolved rendering and performance bottlenecks for large-scale data processing pipelines via optimized C# algorithms and memory management.

Mar, 2019 — May, 2019

Database content manager at Glossary Tech

Dnipro, Ukraine

GlossaryTech is a crowdsourced search engine for tech terms, helping IT recruiters and developers quickly find and understand the latest technology definitions — curated and expanded by the global recruiting and development community.

- Populated the glossary database with 1000+ tech terms by researching and extracting definitions from technical articles using structured data entry workflows.
- Improved database relevance by systematically reviewing and curating tech content to ensure accuracy and consistency across the platform.

EDUCATION

2023 — 2025

Master's Degree in Software Engineering

Dnipro, Ukraine

at the Oles Honchar Dnipro National University, Faculty of Applied Mathematics

2019 — 2023

Bachelor's Degree in Software Engineering

Dnipro, Ukraine

at the Oles Honchar Dnipro National University, Faculty of Applied Mathematics

2018 — 2019

Bachelor's Degree in Computer Science (incomplete)

Kraków, Poland

at the Jagiellonian University, Faculty of Mathematics and Computer Science.
Due to family emergency I had to relocate back to Ukraine.

2014 — 2018

General IT specialist

Dnipro, Ukraine

at the Dnipro National Lyceum of Informational technologies supported by Microsoft Corporation.

VOLUNTEERING

2023 — 2024

President of Student Council

Dnipro, Ukraine

at the Oles Honchar Dnipro National University

- Fundraised for students' health and wellness non-profit
- Increased students rights in educational process

2023

Volunteered as a mentor

Remote / Lviv, Ukraine

in a TetaLab coding bootcamp

- Mentored 2 teams of 5 students in JavaScript Frontend and Backend fundamentals

2022 — Present

Social Worker and Philanthropist

Dnipro, Ukraine

- Organized local charity events
- Fundraised for health and wellness non-profit