

Mykola Ponomarenko

Software Developer

Kajaani, Finland

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PROFILE

Full-Stack Software Developer with experience building scalable web applications and backend systems using TypeScript, Node.js, NestJS, React, and Next.js. Worked on AI-powered platforms, real-time systems, authentication flows, cloud infrastructure, and third-party API integrations. Strong experience in end-to-end product development, performance optimization, and production deployment across startup-style environments.

SKILLS

TypeScript, Node.js, NestJS, Next.js, TypeORM, PostgreSQL, Docker, React, Git, Jira, Firebase, GCP, AWS, Redis, Better Auth, NATS, Firebase Cloud Messaging, ClickUp, OpenAI API, Gemini API, Notion API, Slack API, OAuth 2.0, Twilio API, JavaScript, Zustand, Redux, CSS, SCSS, SASS, TailwindCSS, MySQL, Memcached, docker-compose, Stable Diffusion API, Google Authenticator, Jira API, PayPal API, Bitbucket, Postman, Confluence, Jest

WORK EXPERIENCE

Full-Stack Developer

Mar 2026 - Apr 2026

Website: [advocate-zinkova.com](#)

Designed, developed, and deployed a production-ready legal services website for a client, owning the entire delivery lifecycle from UI/UX and architecture to infrastructure and deployment.

- Built a modern SEO-optimized web application using Next.js and Contentful CMS
- Implemented transactional email workflows using Resend and React Email
- Deployed and managed infrastructure on Hetzner VPS with Coolify and Cloudflare
- Developed responsive, accessible UI with focus on performance, usability, and conversion
- Implemented CMS-driven content architecture using Contentful, enabling non-technical content management

Career Break & Relocation to Finland

Aug 2025 - Mar 2026

- Relocated from Ukraine to Finland following the 2025 layoff and focused on settlement, adaptation, and personal development during the transition period
- Completed advanced coursework course in software architecture and systems design

Backend Developer

Feb 2025 - Aug 2025

AI-powered app for finding friends by interests

- Developed scalable recommendation feed system using Redis cache-aside strategy to deliver low-latency personalized content recommendations
- Engineered real-time social interaction features including friendship management, request handling, and user blocking workflows
- Created secure authentication flow with JWT, and handled email-based password resets and suspicious login alerts using Nodemailer
- Integrated Stable Diffusion API to allow users to generate AI-powered profile avatars from text prompts

Backend Developer

Sep 2024 - Feb 2025

AI-enhanced dating platform

- Implemented a scalable, cost-optimized media storage system using Google Cloud Storage, Google Cloud Functions and Firestore for processing uploads, supporting thousands of daily photo interactions
- Refactored backend architecture and optimized database interactions, improving API response times by ~30% and increasing code maintainability
- Configured NATS client and subscription system using NestJS, enabling real-time, decoupled event handling across services
- Initiated FCM-based push notification system in a newly introduced microservice architecture

Full-Stack Developer

May 2024 - Sep 2024

E-commerce platform

- Integrated secure payment workflows using PayPal API, including webhooks for transaction verification, refunds, and async status updates
- Implemented OAuth 2.0 authentication, enabling secure user login via third-party identity providers
- Developed scalable media storage solution using AWS S3 for product asset management
- Designed event-driven workflows to track cart interactions and power real-time analytics dashboards

Full-Stack Developer

Feb 2024 - May 2024

Stock market dashboard

- Reverse-engineered external financial APIs to ingest and normalize near real-time market data for frontend analytics dashboards
- Optimized historical market data storage using MySQL partitioning strategies
- Developed custom ranking algorithms for top gainers and losers based on client-specific market metrics

Frontend Developer

Sep 2023 - Feb 2024

Hair extension e-commerce website

- Optimized frontend performance by compressing high-resolution assets, lazy-loading resources, and minimizing JavaScript bundles
- Improved Core Web Vitals and page load performance across product and landing pages
- Monitored and validated frontend performance using Lighthouse and Google PageSpeed Insights

LANGUAGES

English - advanced (C1)

Ukrainian - native

EDUCATION

B.E. of Computer Engineering, *National University "Zaporizhzhia Polytechnic"*

CERTIFICATES

EF SET English Certificate

Software Architecture & System Design