

YAROSLAV TSARENKO

FULL-STACK ENGINEER

TypeScript | Node.js | React | Next.js | PostgreSQL

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PROFILE SUMMARY

Full-Stack Engineer with 5+ years of commercial experience in TypeScript, Node.js, React and PostgreSQL. Owns features end to end, from database schema to UI: relational data models, REST APIs, async background jobs (queues, retries, webhooks), third-party integrations and Next.js front ends. Worked remotely with US startups in logistics and B2B sales, including LLM-powered features with the OpenAI API. Targeting a full-time TypeScript / Node.js product role; currently (since June 2026) on performance-critical Kotlin Multiplatform software in defense-tech, and part-time on TypeScript / Node.js at DT Studios.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, SQL, Kotlin (Multiplatform, Compose, Coroutines)
- **Backend:** Node.js, Express, REST API design, Event-driven and async processing, Job queues, Background jobs, Webhooks, WebSockets, Third-party integrations
- **Databases:** PostgreSQL, Schema design, Indexing and query optimization (EXPLAIN ANALYZE), Prisma, Supabase, MongoDB, Redis
- **Frontend:** React, Next.js (App Router), Redux Toolkit, Zustand, Tailwind CSS, SCSS
- **Cloud and DevOps:** CI/CD (GitHub Actions, GitLab CI), Docker, AWS (SQS), Vercel, Logging and monitoring
- **Testing:** Jest, Playwright, Unit and integration testing
- **AI:** LLM integration, OpenAI API, Structured outputs, AI-assisted development (Claude Code)

PROFESSIONAL EXPERIENCE

Software Engineer Jun 2026 - Present

ArmySOS, Ukraine (remote)

Defense-tech, product details under NDA

Tech stack: Kotlin, Kotlin Multiplatform, Compose Multiplatform, Coroutines, MVI, Playwright

- Build mapping and mission-planning software for Android and desktop on one Kotlin Multiplatform codebase: map and mission editors, terrain calculations, GPX/KML import and export.
- Removed UI freezes on imports of 1,500–10,000 objects: batched writes, moved conflict detection off the main thread, replaced quadratic scans with indexed lookups.
- Covered features with automated tests, including Playwright, and added logging and monitoring for field issues.

Full-Stack Engineer (Part-time) May 2026 - Present

DT Studios, Latvia (remote)

E-commerce studio, 10–15 h/week, outside main hours

Tech stack: TypeScript, Node.js, Next.js, React, PostgreSQL, Prisma, Supabase, AWS

- Own e-commerce builds for studio clients end to end: PostgreSQL schema (Prisma), TypeScript and Node.js REST APIs, Next.js storefronts and deployment on AWS.
- Built internal CRM and CMS tools clients use to manage catalogues, orders and customers.
- Integrated delivery and supplier APIs through webhook handlers and background jobs, with daily reconciliation jobs that catch data drift.

Back-End Developer (Contract) Nov 2025 - Apr 2026

SimplyDepo, United States (remote)

US B2B sales platform for consumer-goods brands

Tech stack: Node.js, TypeScript, PostgreSQL, Express, Redis, AWS SQS, Docker

- Cut P95 latency on order-list endpoints: profiled the slowest PostgreSQL queries with EXPLAIN ANALYZE, added targeted indexes and removed N+1 queries.

- Moved notification dispatch to an async job queue (Redis, AWS SQS) with retries and dead-letter handling, off the request path of user-facing endpoints.
- Rebuilt large-report PDF generation as streaming background jobs, eliminating a class of admin-side timeouts.
- Added unit and integration tests, structured logging and error monitoring to the backend services.

Full-Stack Developer Sep 2024 - Oct 2025

Tresor.tech, Ukraine (remote)

Outsourcing design and development agency

Tech stack: React, Next.js, TypeScript, Node.js, MongoDB

- Shipped 20+ cross-browser production interfaces for client e-commerce stores, landing pages and CRM systems in React, TypeScript and SCSS.
- Cut load time by about 30% with code-splitting and image optimization.
- Built booking and lead-capture REST APIs on Node.js and MongoDB for live client stores.

Full-Stack Developer Aug 2023 - Aug 2024

AllShip.ai, United States (remote)

US logistics platform

Tech stack: TypeScript, React, Node.js, OpenAI, MongoDB, WebSockets, Jest

- Shipped three AI-powered logistics features, including an OpenAI assistant that answers 20+ operator questions from the domain database with structured outputs.
- Built Kanban ticketing for dispatch teams.
- Raised Jest coverage on core flows to 85%; production crashes down about 20%.

Front-End Developer May 2021 - Jul 2023

Stream (getstream.io), Ukraine (remote)

Chat, video and activity feed APIs

Tech stack: TypeScript, React, Redux, Jest, GitLab CI

- Built and themed reusable React components for Stream's chat and activity-feed products.
- Built front ends for internal CRM and admin tools.
- Covered components and user flows with Jest tests, shipped through CI/CD pipelines (GitLab CI).

EDUCATION

BSc in Computer Science, Khmelnytskyi National University, 2026

COURSES

AWS Cloud Technical Essentials (Coursera), 2025

LANGUAGES

English	B2
Ukrainian	Native