

# Denis Sirashev

## Senior Software Engineer | Fullstack | Applied AI & Agent Engineering

React, TypeScript, Node.js, NestJS | 12+ years of commercial development

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Russia, UTC+5 | Remote or relocation; visa sponsorship required for relocation

### SUMMARY

Senior software engineer delivering web, desktop and mobile features from architecture through release. Shipped multi-account and AI-generation workflows at Linked Helper, authentication and onboarding systems at Yandex Market, and independently built a vaccination-booking platform serving an estimated 100,000+ patients. Now also building software with coding agents: multi-agent coordination, agent harnesses, human-in-the-loop review and AI processing pipelines.

### CORE SKILLS

**Frontend:** React, TypeScript, JavaScript, React Native, Electron, HTML, CSS

**Backend & data:** Node.js, NestJS, Express, REST APIs, PostgreSQL, Redis, BullMQ

**Quality & delivery:** Jest, Cypress, Storybook, Git, Docker, CI/CD, type checking, linting

**Applied AI:** Claude Code, multi-agent workflows, AFK/HITL, agent harnesses, GitHub Issues, self-hosted Qwen

### PROFESSIONAL EXPERIENCE

#### Linked Helper | Fullstack Developer

Mar 2025 - Jun 2026 | Remote

- Shipped multi-account support in an Electron app, reworking React architecture, contexts, API requests and exports so users could work with campaigns and messages across accounts.
- Migrated account administration, access controls, billing and promo forms to workspaces, including NestJS backend promo logic.
- Delivered production AI reply and outbound-message generation: configuration UI, service integration, token calculation and charging.
- Introduced Storybook, adapted Webpack and migrated to React 18 while resolving incompatible UI dependencies. Added Jest coverage for backend features and fixes.

#### Yandex Market | Software Engineer, Interfaces

Nov 2022 - Feb 2025 | Moscow

- Unified 19 authentication entry points; the mechanism was adopted by Market B2B. Added a reusable popup authentication action; internal 11.11 analytics showed approximately 10% relative improvement in authentication conversion.
- Extended onboarding across Market, Market B2B and Yandex Go. Built an internal queue emulator for eligibility rules, user states and display timing, supporting growth from 2-4 to about 20 concurrent campaigns.
- Brought CLS and FCP within target thresholds through layout stabilization, prerendering and deferred loading; validated with Lighthouse and internal monitoring.
- Investigated on-call incidents using ClickHouse logs and independently conducted 30+ coding interviews with hiring recommendations.

#### Playtomic | Senior Frontend Developer

Apr 2020 - Jun 2022 | Spain, remote

- Built and launched a sports-club TV interface for match statistics, standings and schedules. Developed administrative payment interfaces and pricing rules by date, area, sport and player count.
- Migrated payments, schedules and court management to a feature-based architecture. Prototyped a Cypress API record/replay plugin for backend timeout failures; validated stability on two tests.

## EARLIER EXPERIENCE

### Independent Software Engineer | Client contracts via Upwork

Jun 2015 - Mar 2020 | International clients, remote

- Knkt Interactive, Australia: independently built and launched a nationwide vaccination-booking platform covering clinics, slots, nurses, invitations and patient booking; served an estimated 100,000+ patients.
- Exit Intelligence, US: built a React campaign analytics portal and Laravel API, with MySQL-compatible AWS Aurora aggregates refreshed every 15-30 minutes. Built a production email service integrating Mailchimp, SendGrid and campaign actions.
- ScoreMore Mobile, US: built a React Native app, database and AWS AppSync schema for surveys, prize draws, events and quizzes. Left before production launch.

### Danila-master | Fullstack Developer, later Team Lead

2014 - Jun 2015 | Russia

- Built an AngularJS 1.x configurator with a custom image-sequence rotation carousel and Canvas rendering for inscriptions, icons and symbols, plus compatibility rules and calculated pricing.
- Created database tables and relationships and configuration forms for administrators and managers. Built a Yii manager portal and maintained the OpenCart store.
- Led three direct reports, handling hiring, task allocation, code review and technical decisions.

## SELECTED PERSONAL PROJECTS

### Ryab | City-event map with local AI processing

2026 - Present | Working development preview: dev.ryab.io

- Define requirements and architecture, direct implementation with coding agents, validate workflows and own performance and deployment. Stack: React, React Native, TypeScript, MapLibre, Node.js, Express, PostgreSQL, Redis and BullMQ.
- Set up local Qwen text and media processing, connecting Yandex Cloud to a GPU node through WireGuard; run media jobs asynchronously with BullMQ.
- Directed migration from JavaScript/CPU processing to WebGL: frame processing fell from 1,445 to 196 ms; one-minute video processing from 349 to 138 seconds. Development benchmarks used identical hardware, inputs and models.

### StarTrack | Family tasks, stars and rewards

2026 - Present | In development | React Native, Expo, TypeScript, Firebase

- Build a family app with coding agents: parent approvals, per-child balances, rewards and photo/video proof. Cloud Functions update completion status, balances and ledger records transactionally; access rules separate families and roles.
- Use AFK execution for scoped tasks and HITL for requirements, architecture and review; coordinate multiple agents through GitHub Issues. Supply repository instructions and code examples, with typecheck, lint and tests as feedback loops.

## ENGINEERING WRITING

### How I Split a Week-Long Task Into 9 AI Sessions and Shipped It in 2 Days

A published account of requirements analysis, task decomposition, fresh agent sessions, architecture review and automated checks. Two-day delivery compared with my initial estimate of a week or more.

## ADDITIONAL TECHNOLOGIES

PHP, Laravel, Yii, AngularJS 1.x, Canvas, GraphQL, AWS AppSync, MySQL/Aurora, Firebase, MapLibre, WebGL, ClickHouse, Docker Compose, AWS, Yandex Cloud

## EDUCATION & LANGUAGES

Ufa State Aviation Technical University | Industrial Electronics, Engineer qualification | 2010

English: B2 | Russian: native