

Alexey Popov

Tech Lead · Senior Angular Developer

Taganrog, Russia · UTC+3 · Remote only

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PROFILE

Tech Lead and Senior Frontend Developer with **14+ years** of commercial experience, 11+ of them on Angular (v2 → v22). I architect large Angular applications end-to-end and ship one stack across every platform: **Web (SSR), Smart TV (Samsung / LG / Hisense), Mobile (Ionic, iOS / Android) and Desktop (Tauri + Rust)**.

I built a frontend team from one engineer to nine across three directions, have run **70+ technical interviews**, and own frontend architecture, code review and CI/CD. I took a project from zero tests to **~10,400 unit tests at 89% coverage** gated in CI, and defects reaching production fell from 10–12 a sprint to 2–3. I drive AI-assisted development — custom Claude Code skills and agents, including an AI code-review skill for very large merge requests — and I read every diff a model produces before it lands.

KEY EXPERIENCE

- Angular on every platform — web (SSR), Smart TV (Tizen / webOS / VIDAA), mobile (Ionic, iOS / Android) and desktop (Tauri 2 + Rust), on every version from v2 to v22.
- Architecture at scale — Nx monorepos up to 5 apps and 81 libraries; an OpenAPI-first API layer generated with Orval and validated by zod; multi-tenant Angular 22 applications, zoneless and signal-based throughout.
- Performance — a streaming service at ~4M web users and ~100k TV devices; multi-select on large virtualized lists made ~200× faster; OnPush and immutability applied across whole codebases.
- Testing and delivery — a project taken from 0% coverage to ~10,400 unit tests at 89%, gated in CI; GitLab CI/CD built from scratch with test sharding, affected-only builds and quality gates.
- Teams and releases — a frontend team grown from one engineer to nine across three directions over 70+ interviews, and the release owned for all of them.

CORE SKILLS

Languages	TypeScript (strict mode), JavaScript (ES6+ / ES2023+), Node.js, HTML5, CSS3 / SCSS, Tailwind CSS
Frontend	Angular 2–22, zoneless change detection, Signals, httpResource, standalone components, OnPush, RxJS, NgRx / NgRx Signals, Angular Material, Ionic, micro-frontends, Module Federation, PWA / offline-first, SSR / SSG, i18n / l10n, high-load and content-heavy UIs, real-time interfaces, design systems, Ag-Grid, virtual scrolling, ControlValueAccessor, lazy loading and code splitting, responsive mobile-first design, accessibility (WCAG / ARIA), performance optimization
Architecture	Nx monorepos, module boundaries, shared libraries, Node.js / Express microservices, REST APIs, WebSocket, API-first development against OpenAPI specifications, OpenAPI code generation (Orval) with zod runtime validation, ADRs, feature flags, OOP, data structures and algorithmic complexity, frontend security (OWASP, CSP, role-based access), scalability
Testing	TDD, Vitest, Jest, Karma / Jasmine, Playwright, unit, integration and e2e tests, auto-mocking, 89–100% coverage, duplication and circular-dependency gates
DevOps	GitLab (expert level): CI/CD from scratch, GitLab Runners, reusable pipeline templates, affected-only builds, parallel test sharding, semantic versioning, Docker multi-stage, Nginx, Kubernetes / Kustomize, GitHub Actions, private package registry; familiar with Azure DevOps / Azure Pipelines and cloud deployment (AWS, Azure)
Platforms	Web, Smart TV (Tizen / webOS / VIDAA), iOS / Android (Ionic, Capacitor / Cordova), Desktop (Tauri 2 — shipped apps, Rust at project scope)
Tools	Git, Jira, Confluence, Figma, ESLint (custom plugins), Prettier, Webpack, Vite, Bun, PostgreSQL, SQLite, Redis, Node.js / Express, REST, Claude Code
Leadership	Team lead, hiring and onboarding, mentoring junior and mid-level developers, 70+ technical interviews, code review with constructive feedback, coding standards and best practices, technical architecture and system design, estimation and work decomposition, Agile / Scrum, cross-functional work with product owners, backend and UX/UI, release every sprint, fully remote distributed teams

EXPERIENCE

Tech Lead / Senior Angular Developer

2023 — Present

Remote

- A high-traffic consumer product on web SSR and Smart TV — ~4M users and ~100k devices, inside an Nx monorepo of 5 apps and 81 libraries. Shipped the SSR web features (age-gating and PIN compliance, profile, subscriptions, legal consent) and the gamification vertical — achievements, levels, leaderboards — to both web and TV.
- Led the authentication migration — off a legacy provider onto corporate SSO, on web SSR and Smart TV at once: sessions with heartbeat, short-lived tokens, HTTP interceptors, guest entry, a mixed mode and a new refresh-token flow, plus WebSocket device management with per-subscription limits. Rolled out behind feature flags and cleaned back out afterwards — ~170 commits across two apps.
- Designed two libraries from scratch and wrote almost all of the code — the Smart TV navigation layer (API contract, caching, a fallback catalogue that keeps the app navigable when the backend is down, product and performance metrics) and a resource-only data layer on signal `httpResource`: a per-session cache dropped on profile switch, no-retry on cache hits, error normalisation, fully spec-covered.
- Inherited a frontend team of one and built it out across three directions — my own group of 4–5, a reporting vertical of 5 and an international one of 2 — hiring every engineer myself over 70+ interviews.
- Own the release for all three frontend teams: I cut the epic, the teams raise the MRs, I merge once the approvals land — often as one of the reviewers. Reviewed an external contractor team's code for a year, then hired the senior who took it over.
- Introduced unit testing to a project sitting at 0% coverage and taught 20+ developers to write it — the main app now runs ~10,400 unit tests at 89% coverage gated in CI, and the greenfield projects sit at 100%.
- Own production health — Sentry, performance metrics and the regression runs for the whole project. Defects reaching production fell from the 10–12 per sprint I inherited to 2–3.
- Built the GitLab CI/CD from scratch on Kubernetes runners — reusable templates shared across projects, nx affected, three-way sharding that clears 10,400 tests in ~3 minutes, and coverage, duplication, circular-dependency and custom approval gates, with a custom ESLint plugin enforcing the conventions.
- Published an Nx monorepo of 13 shared Angular libraries — design-system tokens from Figma, theming, SVG icons, notifications, feature flags, dev-auth, a generated Orval API client and test helpers — auto-versioned into a private GitLab registry and consumed by 3 apps.

Tech Lead / Senior Frontend

2019 — 2023

The 5th Kind · US, Remote

- Built a distributed digital-asset-management platform used by Marvel, Disney, Warner Bros., Epic Games and Universal (via Sohonet).
- Led the migration to a layered NgRx architecture over about a year, staged to keep the product shipping — new features first, then auth and the core user / permissions / roles services, then the rest.
- Sped up multi-select on large virtualized lists ~200× (180–200 ms → 0.4–0.5 ms) via an OnPush + immutability overhaul.
- Wrote custom virtual-scroll strategies for dynamic-height items and complex forms via `ControlValueAccessor`.
- Ran 20+ technical interviews, hired and mentored newcomers, and set up the code-review process for a team that ran 4–5 strong and peaked at 8.

Senior Angular Developer

2018 — 2019

Arcadia Inc. · Taganrog

- Designed the product's UI architecture and refactoring roadmap; shipped 10+ major features.
- Introduced CSS variables and the OnPush + immutability strategy across the codebase.
- Built the mobile iOS/Android app with Ionic; conducted 20+ Angular/JS interviews and trained new hires.

Senior Full-Stack Developer

2015 — 2018

Umbrella IT · Taganrog

- Full-stack delivery (Angular + Node.js) for international US/EU clients — Top Rated, 100% Job Success on Upwork.
- Shipped SPAs and Node.js back ends (rademacher.de, pooltrackr.com).

Frontend Web Developer

2012 — 2015

TutMee Agency · Taganrog

- Built 50+ landing pages and online stores with heavy SVG/animation; focus on responsive layout and performance.

Litely

Tauri · Angular 22 · Rust

Cross-platform desktop app for batch image / video / PDF compression (WebP, AVIF, JPEG, PNG, SVG). Browser extension pastes compressed files straight into Jira / GitLab with Cmd+V. Watch-folders, system tray, before/after compare. → asdalexey.github.io/litely

vitest-auto-spy

TypeScript · Open Source · npm

Typed auto-mocking for Vitest — the spiritual successor to jest-auto-spies. One API, three runtimes (Vitest, Bun, Node.js) behind a swappable MockAdapter. Typed spies from a class or from a type alone, Observable / promise / signal controls, DI helpers for Angular and NestJS. Zero dependencies, 100% coverage. → github.com/ASDAlexey/vitest-auto-spy

Bonds Tracker

Angular 22 · Tauri 2 · Rust · SQLite

Personal bonds-portfolio tracker across multiple T-Bank Invest accounts — smart-portfolio optimizer, audit with swap suggestions, scored screener, coupon calendar and a goal dashboard. Real-time analytics over Tinkoff / MOEX ISS / CBR APIs, KMV-Merton default risk, Plotly, Telegram bot, Rust engines.

SundayRun

Angular 22 · offline-first PWA · Bun · Vitest

In real-world use: it runs the weekly park races for a community club in Taganrog — 300+ runners a year. The whole race happens inside the app: a built-in stopwatch times finishers on-site, the offline-first PWA keeps working with no connectivity and syncs on the way back, and results publish themselves to the site in one atomic commit — official-format PDF protocol included, generated in the browser. Zoneless Angular, 100% test coverage. → asdalexey.github.io/sundayrun

Sportdiary

Ionic · Angular · Node.js · iOS / Android

Full-stack running tracker for iOS & Android, built solo end to end — GPS tracking with live route maps, automatic lap detection, per-workout stats, volume analysis with personal records and a social feed. Node.js backend self-hosted on my own VPS; ran in production for over a year.

Claude Code config & skills

AI · Automation

Custom Claude Code skills, agents and hooks that encode project conventions, code generation and token-optimization — including an AI code-review workflow built for large Angular MRs. Treated as a second opinion, not an authority: it reports findings, I read the diff and verify them before anything merges.

EDUCATION · LANGUAGES

Education	Taganrog State Pedagogical Institute (A.P. Chekhov) — Physics & Mathematics, 2004 — 2009 · GPA 4.97 / 5
Russian	Native
English	Working proficiency (B1) · 8+ years with US / EU teams

RECOMMENDATIONS

<i>"I had the pleasure of working with Alexey for over 5 years. A great developer and team player, who jumped into a complex product, got up to speed quickly and was flexible to the needs of the business. Also a great communicator in English and would recommend him for any lead technical role."</i> Steve Cronan — ex-CEO / CTO, The 5th Kind	
<i>"I worked with Alexey for about 5 years, he did a great job as a Senior Frontend Engineer. An executive developer who can be trusted to solve any technical problem. He also assisted with onboarding new employees onto the project and training juniors."</i> Eugene Golubev — Director of Frontend & Mobile Engineering	