

Artur Cherkanov

SOFTWARE ENGINEER / ENGINEERING MANAGER

✉ artur@cherkanov.com

✈ [telegram](#)

🌐 cherkanov.com

🌐 [linkedin](#)

🔗 [github](#)

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PROFILE

Senior Software Engineer and Engineering Manager with 9 years of experience across web, mobile, desktop, smart TV, and e-commerce products. Build React Native apps, custom native modules, MCP servers, agent harnesses, and computer vision features. Co-founder of BestYieldFinder. Teach JavaScript, frontend development, JavaScript for QA, and agentic coding; mentor developers.

EDUCATION

Bachelor of Science in Computer Science

Belarusian State University of Informatics and Radioelectronics

APPLICATION DEVELOPMENT

LANGUAGES TypeScript / JavaScript

WEB React / Next.js / Inertia.js

WEB FOUNDATIONS Vanilla JavaScript

LEGACY WEB Knockout.js / jQuery :)

MOBILE React Native for iOS and Android

RN WORKFLOWS Bare workflow / Expo

NATIVE INTEGRATION Custom native modules / Camera integrations

MOBILE UI React Navigation / React Native Reanimated

DESKTOP Electron

TV PLATFORMS LG webOS / Samsung Smart TV / Android TV

STATE, SERVICES AND INFRASTRUCTURE

CLIENT STATE	React Context (Providers) / Redux / Redux Toolkit / Redux-Saga
SERVER STATE	RTK Query / TanStack Query
LOCAL STORAGE	React Native AsyncStorage
BACKEND	Node.js / NestJS / Express.js / Effect
COMMERCE	Oracle Commerce Cloud / Shopify
DATABASES	PostgreSQL / Neon
BACKEND SERVICES	Supabase / Firebase
CLOUD AND COMPUTE	Cloudflare Workers / Queues / Durable Objects / AWS / Modal
APP HOSTING	Railway / Heroku
OBJECT STORAGE	Cloudflare R2 / Amazon S3

AI AND DEVELOPER TOOLING

AI APIS AND SDKS	Vercel AI SDK / OpenRouter / OpenAI API
AGENT ENGINEERING	MCP servers / Agent harnesses / Team development and review skills
CODING AGENTS	Codex / Claude Code
COMPUTER VISION	YOLO / Roboflow

QUALITY, RELEASE AND GROWTH

TESTING	Vitest / Jest
BUILD AND RELEASE	Docker / GitHub Actions / Fastlane / TestFlight / Google Play Console
OBSERVABILITY	OpenTelemetry / SigNoz
ANALYTICS AND TAGS	PostHog / GA4 / Google Tag Manager / Microsoft Clarity
RENDERING	Server-side rendering (SSR) / Static site generation (SSG)
SEARCH VISIBILITY	Technical SEO / Generative engine optimization (GEO)

EXPERIENCE

Lingo.dev

Jan 2026 - Present

An AI localization platform with open-source tools for translation and quality review.

Software Engineer

- Designed the full billing system with Autumn: credits, entitlements, and usage metering. Implemented recurring charges with queues and idempotent processing.
- Implemented customer-supplied AI API keys (BYOK), enterprise single sign-on (SSO), and automated user provisioning (SCIM).
- Owned UI/UX design for about 30% of the platform, plus selected marketing pages, documentation, and internal tools; contributed to frontend development and v1/v2 redesigns.
- Maintained the open-source Lingo.dev npm package for 10,000+ users, extending the CLI/SDK and resolving urgent customer issues for Mistral, SoSafe, and Cal.com.
- Contributed to a Solana repository to support its use of Lingo.dev.
- Compared AI models and translation-validation methods across quality metrics to recommend models.
- Built usage and cost dashboards, added OpenTelemetry tracing, and developed localization APIs and integrations for Zendesk and Payload CMS.

TECHNOLOGIES / TypeScript / React / TanStack Query / Router / Start / Node.js / Effect / Cloudflare Workers / Cloudflare Queues / Cloudflare Durable Objects / PostgreSQL / Drizzle ORM / Vercel AI SDK / OpenRouter / Autumn / OpenTelemetry / Vitest

TOOLS / pnpm / Turborepo

AI agents and developer tooling

Development and code-review tools for engineering teams.

Software Engineer / Cross-project work

- Built MCP servers for Codex and Claude agents.
- Created development skills for the team and code-review skills that use subagents.
- Built agent harnesses with pipelines of independent CLI processes.

TECHNOLOGIES / Model Context Protocol (MCP)

TOOLS / Codex / Claude Code

Nutrado

A mobile food-scanning product for UK supermarkets, combining ingredient, additive, and allergen information with food scores and AI explanations.

Product and Software Engineering / Engineering Lead / Founder project

- Led engineering during part of the project.
- Built barcode scanning, food scores, allergen highlights, and ingredient explanations.
- Maintained a react-native-camera-kit fork and improved native camera behavior and recovery on iOS.
- Trained YOLO computer vision models with Roboflow and Modal to recognize food in photos and camera input.
- Implemented navigation, application state, and animations with React Navigation, Redux, and Reanimated.
- Prepared iOS and Android releases through TestFlight and Google Play Console and updated builds for store requirements.

PLATFORMS / iOS / Android

TECHNOLOGIES / TypeScript / React Native / React Navigation / React Native Reanimated / Redux Toolkit / Redux-Saga / react-native-camera-kit / Firebase / Jest / YOLO / Roboflow / Modal

TOOLS / Xcode / Android Studio / TestFlight / Google Play Console

Semrush

Free Tools

May 2025 - Oct 2025

Semrush Free Tools, a suite of free SEO and digital marketing tools for keyword research, traffic analysis, and website checks.

Senior Software Engineer

- Implemented pixel-perfect React and TypeScript interfaces for Semrush Free Tools from design specifications.
- Organized product features and shared UI components with Feature-Sliced Design (FSD).
- Integrated APIs and improved client-side state management and rendering performance.
- Worked in a Scrum team.

TECHNOLOGIES / TypeScript / React

BestYieldFinder

Jun 2024 - Apr 2025

A European property investment platform with sale and rental listings, regional yields, market scores, and revenue estimates. Market data refreshes monthly.

Co-founder / Engineering Lead

- Led engineering and built the React frontend with Feature-Sliced Design, separating product features and shared UI components.
- Connected React to Ruby on Rails through Inertia.js and implemented server-side rendering for performance and SEO.
- Built interactive regional maps and property-data visualizations.
- Used Modal GPUs to run model inference for the platform.
- Improved SEO, accessibility, and frontend performance.
- Interviewed customers to guide product decisions.

TECHNOLOGIES / TypeScript / JavaScript / React / Vite / Inertia.js / Node.js / PostgreSQL / Tailwind CSS / Google Tag Manager / Analytics / Heroku / Ruby on Rails / Modal

Amitech Group

May 2022 - May 2025

Software engineering consulting across web, mobile, and e-commerce products.

Senior Software Engineer / Tech Lead / Team Lead

- Developed and maintained Node.js/Express services and React interfaces in production.
- Led the BA Food Scanner and Shop team, with responsibility for technical decisions, development, and code reviews.

Client work / Amitech Group

BA Food Scanner and Shop

A food-scanning mobile app and React e-commerce platform serving approximately 1.5 million monthly users.

Tech Lead / Team Lead, Web and Mobile

- Developed native camera modules for iOS and Android and integrated a scanner supporting three cameras into React Native.
- Maintained mobile features through React Native upgrades and refactored shared application modules and components.
- Integrated inventory, checkout, and recommendation services across the mobile app and e-commerce platform.
- Used Firebase Analytics, Crashlytics, and Cloud Messaging for analytics, crash reporting, and push notifications.
- Prepared and distributed mobile builds through TestFlight and Google Play Console using Fastlane.
- Improved production stability during Black Friday traffic and redesigned the mobile web experience.

PLATFORMS / iOS / Android / Web

TECHNOLOGIES / TypeScript / React Native / React / Redux-Saga / React Native Reanimated / Node.js / NestJS / Firebase / AWS / Shopify

TOOLS / Xcode / Android Studio / Fastlane / TestFlight / Google Play Console / GitHub Actions

Teaching and mentoring

2022 - Present

Frontend courses at TeachMeSkills and independent developer mentoring.

Lecturer and Mentor / Part-time

- Teach JavaScript and frontend development through lectures, practical assignments, and code reviews.
- Mentor developers in JavaScript for QA and agentic coding.

Urus & Clear

Feb 2021 - Jun 2022

A compliance and due-diligence platform with data from 200+ sources for corporate risk analysis and relationship mapping.

Software Engineer / Hourly contract

- Redesigned compliance and due-diligence interfaces for performance and usability.
- Built a custom interactive map for geospatial data exploration.
- Implemented graph and hierarchy visualizations for relationship analysis.
- Migrated the component library to Material-UI and improved frontend performance.

TECHNOLOGIES / React / TypeScript / Node.js / Cytoscape.js / D3-geo / Material-UI

WSCloud

Mar 2019 - Jan 2021

Gaming-club management software with an Electron desktop client and a web admin panel.

Software Engineer / Hourly contract

- Developed React interfaces and Node.js backend services for gaming-club management.
- Implemented real-time monitoring with WebSockets.
- Improved build and deployment pipelines and delivered monetization and reward features.
- Maintained production systems and resolved critical issues.

TECHNOLOGIES / JavaScript / TypeScript / React / Node.js / NestJS / Electron / WebSocket / Docker

iTechArt Group

Sep 2018 - May 2022

Consulting work focused on e-commerce web and mobile applications, plus the F1 Saudi Arabian GP app.

Software Engineer / Senior Engineer / Tech Lead / Team Manager

- Progressed from software engineer to senior engineer, tech lead, and team manager.
- Built React and React Native commerce features and Node.js/NestJS services, including integrations with Shopify and Tramontina.
- Mentored engineers, reviewed code, and guided technical decisions.

Client work / iTechArt Group

E-comm Storefront

Modular e-commerce storefronts with payment, authentication, and analytics integrations.

Software Engineer

- Developed React storefronts and Node.js/Express APIs for an existing e-commerce platform.
- Integrated Google Pay, Apple Pay, authentication, and analytics.
- Integrated Oracle Commerce Cloud storefront technology.

TECHNOLOGIES / TypeScript / React / Node.js / Express.js / Oracle Commerce Cloud

Client work / iTechArt Group

F1 Saudi Arabian GP

A mobile app for Formula 1 fans, with event content, ticketing, interactive maps, and race information.

React Native Engineer

- Designed the React Native app architecture and developed its features.
- Developed custom native map modules for iOS and Android.
- Integrated Contentful CMS, APIs, and JWT authentication, and supported the existing web platform.
- Implemented UI designs and a shared component library, with unit and component tests.

PLATFORMS / iOS / Android

TECHNOLOGIES / TypeScript / React Native / React / Redux / React Native Reanimated / Contentful / GraphQL / Apollo / Node.js / Express.js

TOOLS / GitHub Actions / Fastlane

Advansys

2017 - 2018

E-commerce solutions and maintenance of existing web applications.

Software Engineer

- Developed React interfaces for e-commerce solutions.
- Maintained and extended ASP.NET Razor, PHP, and jQuery applications.

TECHNOLOGIES / React / JavaScript / ASP.NET Razor / PHP / jQuery

Clearpic

Frontend development for an AI photo-enhancement product.

Senior Frontend Developer / Part-time

- Built the website and hosted it on Amazon S3.
- Integrated a CMS and analytics and improved SEO.

TECHNOLOGIES / Amazon S3