

Vlad Kotski

Full-stack systems engineer

Business software, realtime interfaces, integrations and production infrastructure.

pankot.io @VladKotski on Telegram

PROFILE

Current engineering scope.

My work often crosses several parts of a system: permissions, configurable data, state transitions, integrations, performance, deployment and recovery.

At CDM I design and build Cerps, a configurable operations platform with dynamic data structures, field-level history, ABAC, triggers, chats, reports, realtime updates and 1C integration. Earlier work includes security monitoring interfaces and an applied software lab.

I write user-facing React code and follow production issues through the API, database, queue, proxy and server when needed.

EXPERIENCE

Work history.

Oct 2024 - present

Senior Fullstack Engineer CDM

I design and build Cerps, the operating platform behind CDM's finance, procurement, project and internal operations. My work spans data architecture, access control, automations, collaboration, integrations and the production platform that keeps them running.

Cerps core

realtime collaboration

AI integrations

1C

platform infrastructure

Jul 2024 - Oct 2025

Frontend Engineer KEDRTECH

Built frontend interfaces for an operational monitoring product. My scope covered TypeScript application architecture, interactive views, realtime events, authentication, accounts and schema-driven integration forms.

TypeScript SPA

realtime events

interactive views

integrations

Sep 2023 - Jun 2024

Middle Full-stack Developer RGSU TECHNOPARK

Led a lab stream, coordinated project work and mentored students and interns. The team shipped web applications, Telegram systems, Python services, VR and AR prototypes, and 3D assets.

lab leadership

mentoring

Python

Telegram

VR and AR

Mar 2023 - Sep 2023

Junior Full-stack Developer INDEPENDENT WORK

Built inventory and equipment tracking, landing pages and CRM or CMS extensions for small business workflows. This period taught me to work with incomplete requirements and keep the solution proportional to the problem.

CRM and CMS

inventory

end-to-end delivery

SELECTED WORK

Selected project work.

An independent product I run.

INDEPENDENT PRODUCT - 2026 - PRESENT

CheckFast is a live set of web diagnostics I built for developers and site owners. It combines an all-in-one site check with focused tools for SSL, DNS, email deliverability, redirects, SEO, response headers and more.

PRODUCT 40+ focused web and infrastructure checks	ARCHITECTURE Next.js monorepo with shared checker packages	NETWORK SAFETY Redirect and DNS rebinding defenses for outbound requests	OPERATIONS Docker deployment, health endpoints and metrics
---	--	--	--

STACK

Technologies used in production.

Product TypeScript React Node.js NestJS Next.js Vite Playwright	Data PostgreSQL MongoDB Redis Prisma SQL and CTEs reporting
Operations Linux Docker Nginx Caddy SSL monitoring backups	Other work Rust Python static analysis compiler design DSL design Telegram VR and AR

BACKGROUND

Education and additional information.

Software Development Technologies - National Research University MPEI, expected 2029

Information Systems and Programming - completed 2025

Winner, Sber Code Beauty 2.0 - DevOps track

Russian - native; English - B2