YEKATERINBURG · REMOTE · UTC+5

Igor Bakhtin

Lead Frontend Engineer / architecture / team

The platform the bank runs on: website, CMS and products

Led development of RSHB's public website: 11 portals on one domain, 3,971 pages, 8,355 content releases. Now frontend competence lead for the Cards cluster: several teams, 12 frontend engineers. I still write code daily.

profile.json

ROLE	EXPERIENCE	NOW
Lead / Staff Frontend	12 years, since 2014	RSHB, Daily Banking · Cards
PLATFORM	**STACK**	
rshb.ru: 11 portals, 3,971 pages	TypeScript · React · Next.js · Node	

11 portals
on one domain: 3,971 pages and 28,525 content blocks

8,355 releases
of content through the CMS — editors publish without a developer

4 modules
of the bank's mobile app under my ownership

12 engineers
across several teams: review, mentoring, technical decisions

01 PROFILE

An engineer accountable for the platform, not for a single page

For the last few years I have worked where product meets platform. First the bank's public website: a platform of 11 portals on one domain, content as JSON, page generation at build time, a CMS with an editor and releases, and a design system of 524 blocks and primitives. Then the retail side: "Svoi Finansy. Cards" — issuing, applications, accounts, pre-login, admin panel.

My job is to keep the system manageable: design contracts, choose the stack, retire legacy layer by layer, add tests where regressions cost most, and drive incidents to root cause. On top of that, review: 282 reviews and 287 Jira issues over the last year, plus quality rules the team actually follows.

02 EXPERIENCE

Twelve years: from C++ and PHP to the bank's platform

2025 — present
Yekaterinburg · remote
CURRENT

Cards cluster lead · Lead Frontend Engineer

RSHB · RSHB-Ecosystem

Frontend of the retail "Svoi Finansy. Cards" domain: module architecture, code review, releases, incident analysis.

- Own four product web modules — cards, debit card applications, pre-login and card account requests — plus the admin panel for card products; set the technical direction for 12 frontend engineers across several teams.
- Migrated the cards module from Redux Toolkit / RTK Query to Zustand + TanStack Query in a single MR: **109 files, 475 tests**, no regressions; rolled the approach out to two more modules (88 and 87 files, +957/−1054).
- Designed the web modules contract with the native Flutter shell: **31 protocol entries**, **84 feature toggles**, one loading contract — modules release independently.
- Moved e2e from Cypress to Playwright: visual regression across **35 snapshots** in two themes, federated module mocks, stable CI runs.
- Investigated a production incident in the pre-login module: traced it to CFS quota exhaustion and justified **700m CPU, 3 replicas and HPA 2–6** instead of "just add memory".
- Run the cluster review process: **282 reviews and 287 Jira issues** in a year; introduced a local quality gate — FSD boundaries, dead code, duplication, accessibility.

`TypeScript` `React 18` `Module Federation` `Zustand` `TanStack Query` `Playwright` `SonarQube` `bank design system`

2022 — 2025
Yekaterinburg · remote

Website team lead · Lead Frontend Engineer

RSHB · RSHB-Intech

The bank's public website: 11 portals on one domain, a team of 8–10, pages generated from JSON, CMS, block design system, releases and deployment.

- Led the **rshb.ru** portal platform: 11 portals on one domain, **3,971 pages** in the content model, **28,525 block instances** and **8,355 content releases** — with no separate engineering team per site.
- Authored the **wcms** build CLI — **95 of 137 commits (69%)**: page generation and a JSON data format, sitemap, search index, portal resources, gzip pre-compression. Portal runtime — 26 of 30 commits (87%).
- Rolled out **Next.js 15 + App Router to nine portals in one day** (18 Feb 2025): 32 files in the main portal, **+982/−3,396**; removed separate mobile builds — one adaptive build instead of two.

`Next.js 15` `App Router` `React 18` `TypeScript` `Node.js` `Wildless CMS` `nginx` `GitLab CI`

Nov 2018 — Oct 2021
Moscow · remote

Lead specialist, development department

ANMAK · kidsway.city

A services platform for kids' activities: PHP core, micro-frontends, mobile apps, servers and deployment.

- Built the **KidsWay 2.0** PHP platform: Laravel 5.6, six modules (Api, Client, Contractor, CRM, Exchange, Front), **560 files and 29,494 lines**; CRM — 10,305 lines, API — 2,798.

`PHP` `Laravel` `React` `single-spa` `React Native` `JSON:API` `MySQL` `CentOS`

Jan — Aug 2018
remote

Software developer, book service

Knigogid.ru

Second developer on the service: admin, catalogue, integrations.

`PHP` `CodeIgniter` `MySQL` `SVN`

Aug 2015 — Jan 2018
Kamensk-Uralsky

Software engineer

Administration of Kamensk-Uralsky

An electronic document system in C++ and municipal websites in PHP.

C++ · C++Builder · PHP · SVN · Linux

Nov 2017 — Nov 2018
Moscow · remote

Web developer

Computing Forces JSC · molot.ru

A high-traffic service: frontend and part of the backend.

JavaScript · jQuery · PHP · CodeIgniter · Linux

May 2016 — Oct 2017
Moscow · remote

Full-stack developer

PromoHolding

E-commerce and its promotion.

PHP · JavaScript · MySQL · Linux

May — Jul 2020
Nizhny Novgorod · remote

Software engineer

Linsoft LLC

Three video projects in one quarter: a web surveillance portal and two mobile clients.

React · HLS · React Native · Laravel

Aug 2014 — Mar 2015
Kamensk-Uralsky

Software technician

UPKB “Detal”

First commercial code — a C++ desktop app.

C++ · RAD Studio

03 CASES

Three systems I was accountable for

CASE · RSHB · 2022–2025

RSHB website platform

11 portals on one domain: content as JSON, page generation at build time, a shared CLI, block registries and basePath. 3,971 pages, 28,525 blocks, 8,355 content releases. Nine portals migrated to Next.js 15 + App Router in one day.

Next.js 15 · SSG · Node.js · nginx · GitLab CI

CASE · RSHB · 2023–2025

Wildless CMS & design system

An editor on top of git: page schemas, live preview, block palette, releases with tags and CHANGELOG, content migration between environments. The design system — 524 components, 55 blocks and 67 primitives, 145 icons, 44 blocks in the registry.

React · TypeScript · Rollup · Cosmos · GitLab API

CASE · RSHB · 2025–2026

Card web modules

Four modules in the bank’s mobile app plus an admin panel. State migration to Zustand + TanStack Query (109 files, 475 tests in one MR), a contract with the Flutter shell, e2e and visual regression.

React 18 · Module Federation · Zustand · Playwright

PERSONAL INFRASTRUCTURE

devcv.ru

My own server: Caddy with 13 virtual hosts and automatic Let’s Encrypt, Gitea, Verdaccio with 210 packages, a CI runner, a 2.5 GB daily backup to a NAS, fail2ban. This page runs here.

Caddy · Docker · Gitea · Linux

04 STACK

What I work with

LANGUAGES

TypeScript, JavaScript (ES2023), PHP, C++, Bash, SQL

FRONTEND

React 18/19, Next.js (App Router, SSG), Vue 3 / Nuxt 2, Gatsby, React Nati

CONTENT PLATFORMS

Wildless CMS, Schema-driven UI, SSG pipelines, JSON-to-page generation, Build-time search index

STYLING & DESIGN SYSTEMS

SCSS, CSS tokens & themes, CoreUI, Bank design system, Responsive layouts,

TESTING

Jest, Vitest, Playwright, Cypress, Visual regression, axe

CODE QUALITY

SonarQube, ESLint, Stylelint, steiger, knip, jscpd, dependency-cruiser

05 EDUCATION

Foundations

2018
Applied Informatics (BSc)
Kurgan State University · Faculty of Technology

2014
Automated Information Processing and Control Systems
Kamensk-Uralsky Polytechnic College

Russian	native
English	B1: docs, correspondence, stand-ups

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