

Roman Rakhman

Senior Fullstack Engineer | JavaScript & TypeScript Expert | 20+ Years of Experience
roman@rakhman.dev

Top Skills

Vue / React
Node.js
GraphQL
System Architecture

Languages

English (Full Professional)
Ukrainian (Native)
Russian (Native)
Bulgarian (Elementary)

Links

[linkedin.com](https://www.linkedin.com)
[codewars.com](https://www.codewars.com)
github.com
q.dev

Summary

Senior Fullstack Engineer with over 20 years of experience, with a **primary focus on modern Frontend development** and high-performance UI architecture. Expert in building scalable web ecosystems using **React 19** and **Vue 3**, I specialize in creating seamless user experiences by bridging the gap between sophisticated backend infrastructures and intuitive interfaces.

My expertise includes architecting unified API strategies with **GraphQL (Apollo Federation)**, orchestrating mission-critical workflows with **Temporal.io**, and implementing robust state management patterns using **TanStack Query**. I have a deep background in **multi-tenant architecture** and **e-commerce systems**, with a proven track record of modernizing legacy platforms, and leading technical evolutions that deliver immediate business value.

Technical Expertise

Frontend: JavaScript (ESNext), TypeScript, Vue 3 (Composition API), React 19, Next.js, Vite, Tailwind CSS, PWA, Web Accessibility (A11y).

State Management: GraphQL (Apollo Federation), TanStack Query, Pinia.

Backend: Node.js, NestJS, Express.js, RESTful APIs, Serverless (AWS Lambda / GCP Functions), Puppeteer (Automation), WebSockets.

Databases: PostgreSQL, MongoDB, Redis, Prisma ORM.

Testing & Quality: Jest, Vitest, Cypress, Playwright, ESLint/Prettier, CI/CD (GitHub Actions).

Cloud & DevOps: Google Cloud Platform (GCP), AWS, Docker, Kubernetes (K8s), Kafka, Monitoring (Prometheus, Grafana).

Workflow & Architecture: Temporal.io (Workflow Orchestration), System Design, Microservices, Agile/Scrum.

Key Achievements

Microservices Orchestration & Architecture: Designed and implemented a unified API Gateway using **Apollo Federation**, successfully consolidating **25+ microservices** into a scalable Supergraph for a major fundraising platform.

Next-Gen Frontend Architecture: Spearheaded the transition of complex internal systems to a high-performance stack (**React 19, Vue 3, Tailwind CSS**), implementing advanced data-fetching patterns with **TanStack Query** to enhance UI responsiveness and developer velocity.

Enterprise White Label Solutions: Architected and launched a global dating engine supporting **thousands of concurrent domains** and millions of users; improved mobile conversion rates by implementing **PWA** and optimizing frontend performance.

Scalable High-Load Systems: Built a real-time **ads-on-demand platform** from the ground up using **Node.js** and **OpenRTB** protocol, implementing a robust monitoring stack (Prometheus/Grafana) that ensured 99.9% uptime during peak traffic.

Experience

Snap! Mobile, Inc.

November 2021 — January 2026

Senior Fullstack Engineer

- **Unified API Gateway:** Architected and implemented a unified GraphQL layer using Apollo Federation, successfully consolidating 25+ microservices (subgraphs) into a single, scalable Supergraph for the entire fundraising ecosystem.
- **Workflow Orchestration (Temporal):** Led the migration of complex store-creation workflows from Workato to a self-hosted Temporal.io infrastructure, significantly increasing process reliability, observability, and scalability.
- **On-Demand E-commerce:** Scaled a merch-on-demand platform using MedusaJS, enabling the rapid deployment and management of specialized online stores for thousands of individual fundraising campaigns.
- **Custom Storefronts & Dashboards:** Developed high-performance, themeable storefronts (React, Next.js) and internal management dashboards, focusing on complex data state management and intuitive UX.
- **Identity & Access Management (SSO):** Designed and developed a centralized Identity Management System (Vue 3), serving as the Single Sign-On (SSO) entry point for 10+ internal and external applications.
- **Security & Consumer Management:** Built a robust API Key management and Rate Limiting system for third-party consumers, ensuring platform security and high availability.

Private.Social AG

November 2017 — October 2021

Fullstack Engineer

- **AdTech & High-Load:** Engineered an **OpenRTB** ads-on-demand platform (Node.js, Docker), optimizing real-time bidding for low-latency performance.
- **White-Label Platform:** Developed a multi-tenant dating ecosystem (AngularJS, PWA) deployed via Kubernetes for thousands of partner domains.
- **Automation:** Built scalable web scraping and automated testing systems using **Puppeteer** and **GCP Serverless** functions.

Dating Factory

September 2009 — September 2016

Lead Web Developer

- **Product Architecture:** Led frontend development for a global white-label platform serving millions of users across thousands of niche sites.
- **System Design:** Contributed to core multi-tenant architecture and engineered complex administrative interfaces for enterprise partners.
- **Tech Modernization:** Directed the transition to modular CSS and SPA frameworks (AngularJS) to enhance platform maintainability.

Datech Ltd.

January 2008 — February 2009

Studio Manager

- Managed a cross-functional team of 5+ designers and developers; streamlined development workflows and client communications.

Earlier Professional Experience (2001–2007)

- **Hive7.com Inc.** | AJAX Lead Developer | 2006 – 2007
- **Datech Ltd.** | Project Manager / SEO Specialist | 2004 – 2005
- **Media ART Ltd.** | Tech Writer / Script Developer | 2004
- **Amigo IT Services Ltd.** | Web Technologist | 2001 – 2003
- **Registries of Ukraine Ltd.** | Developer | 1997 – 2001

Education

Donetsk National Technical University. Donetsk, Ukraine
Bachelor in Software Engineering (“Specialist”)
ComputerScience (1994 - 1999)