



Rafał Mikucki

Full Stack Engineer

Full-Stack Architecture • Product Engineering • Platform Engineering

Full Stack Engineer with 12 years of experience designing and shipping complex TypeScript and React products across prediction markets, loyalty, fintech, commerce, and developer-facing platforms.

Builds scalable full-stack platforms, APIs, SDKs, and developer tooling while delivering production systems across React, Node.js, PostgreSQL, queues, and real-time architectures.

Technical lead with hands-on O-to-1 delivery, platform modernization, and people-leadership experience.

Core Expertise

Full-Stack Architecture | Product Engineering | Platform Engineering | Public SDKs and Packages | Design Systems | Real-Time Interfaces | Developer Experience | Full-Stack Product Delivery

Highlights:

- Led frontend architecture for public SDK ecosystem
- Former Tech Lead for 10+ frontend engineers
- Built products from 0→1
- Public SDK ecosystem

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Languages

 Polish
Native

 English
Professional working

Latest projects



Prediction Markets Aggregator
Platform for integrating and trading across multiple prediction-market venues

<https://agg.market>



Web3 Loyalty Program
One platform for onchain loyalty, intelligence, and rewards

<https://admin.snagsolutions.io>

Experience

Jan 2023 – Present • Remote



Snag Solutions
Full Stack Engineer →
Lead Frontend Engineer

Loyalty platform | Full stack platform development

Delivered frontend and backend capabilities within a platform supporting more than 100 brands, 15 blockchain networks, and 50 configurable loyalty and reward mechanisms, spanning rewards, badges, leaderboards, social features, admin configuration, calculations, monitoring, and BullMQ retries. Implemented OpenSea leaderboard views, new badges, and requested product updates.

Proposed and co-built a configurable Page Builder that lets partners create and manage root pages, converting repeated custom landing page requests into a reusable product capability.

Rearchitected large CSV processing around presigned S3 uploads, PostgreSQL job records, BullMQ and Redis workers, streamed fast-csv parsing, Zod validation, and batched Prisma writes; reduced normal worker memory from more than 2 GB to a few hundred megabytes and processing from hours to minutes while supporting files up to 2 GB and millions of rows.

Prediction markets aggregator | Frontend platform and product

Architected and built AGG from an early concept into a partner-ready multi-venue prediction market platform as its primary frontend architect and implementer, defining package boundaries and building all four public packages plus nearly all major frontend surfaces

Architected, built and maintained a modular SDK ecosystem separating framework-independent API logic, React state management, reusable UI components, and authentication, allowing partners to integrate only the layers they required while reducing bundle size and dependency coupling.

Delivered end-to-end frontend implementation for event and market discovery, market details, trading and order forms, claims, charts, order books, search, profiles, theming, partner configuration, responsive behavior, monitoring, and test infrastructure across the product, admin dashboard, demo, and documentation platform.

Enabled one developer to typically reach a working multi venue implementation within days, compared with the weeks a native implementation would usually require; approximately 10 companies have integrated or evaluated AGG across live and demo deployments.

Designed and automated semantic versioning and package releases using Changelists, ensuring stable public SDK distribution with typed contracts, validation gates, and bundle-size safeguards.

Automated typed SDK output and API and Mintlify documentation from ts-rest contracts, reducing manual documentation work and release inconsistencies while making client integration easier.

Sep 2021 – Dec 2022 • Remote



Boson Protocol
Frontend Lead Developer

Joined an early-stage engineering team to help build the initial Boson App, owned frontend while delivering Node.js backend functionality to accelerate end-to-end product delivery.

Owned the architecture and implementation of key customer journeys, including the product creation wizard, shopping cart, buyer checkout, product listings, dispute management, and responsive user experience.

Implemented a real-time buyer-seller communication system, integrating frontend and backend workflows to support marketplace interactions throughout the purchasing lifecycle.

Collaborated on blockchain-powered commerce experiences, connecting NFT-backed ownership, wallet interactions, and marketplace workflows into a seamless user experience.

Established testing practices and delivered production-ready, mobile-responsive interfaces for a complex Web3 commerce platform built by a small cross-functional engineering team.

Jan 2017 – Aug 2021 • Warsaw, Poland



Silk Software House
Developer → Senior →
Tech Lead

Promoted to Frontend Tech Lead, leading a team of approximately 10 frontend engineers and coordinating delivery with backend teams, designers, and project managers across multiple concurrent client projects while remaining actively involved in development.

Owned frontend architecture across multiple projects, driving technical planning, estimations, code reviews, stakeholder communication, and delivery while balancing up to three projects in parallel.

Delivered frontend solutions for enterprise clients including Mercedes-Benz, Mercedes-Benz Vans, Lidl, T-Mobile, Supercruises, and other international brands, working closely with designers, project managers, and backend teams throughout the development lifecycle.

Jan 2017 - Aug 2021  Warsaw, Poland



Silk Software House

Developer → Senior →
Tech Lead

Designed the UI/UX and implemented the complete frontend for a Mercedes-Benz project, translating business requirements into responsive, production-ready user interfaces.

Proposed and introduced Mapbox for the Supercruises platform after identifying limitations of the existing mapping solution, enabling greater flexibility for future product development.

Jul 2014 - Dec 2016  Warsaw, Poland



ITIS sp. z o.o.

Developer

Developed responsive websites, web applications, and internal business tools for client projects, covering frontend implementation, UX/UI, and ongoing maintenance.

Worked directly with clients to clarify requirements, estimate work, and translate business needs into usable digital products.

Designed and implemented interfaces, reusable page elements, forms, and application workflows while supporting testing, deployment, and production fixes.

Skills



Backend

Node.js
NestJS

PostgreSQL
Prisma

Redis
BullMQ

REST APIs
WebSockets

Zod
TS-REST



Frontend

TypeScript

React
Next.js
React Native

TanStack Query
Zustand
Redux

Tailwind CSS
Radix UI
SCSS

Storybook
Accessibility
WCAG



Architecture

SDK Development
Public Packages

Design Systems
Component Libraries

Monorepos
Package Architecture



Testing & Delivery

Vitest

Playwright
E2E Testing

GitHub Actions
CI/CD

Docker
AWS

Datadog
Sentry



Web3

EVM
Solana

wagmi
viem

Wallet Auth
SIWE
SIWS

Multi-Chain
NFT Commerce

Education



Bachelor, Computer Science

University of Warmia and Mazury



Master, Computer Science

Warsaw University of Technology