

Rafał Mikucki

Senior Full Stack Engineer

Full-Stack Architecture • Product Engineering • Platform Engineering

Senior Full Stack Engineer with 12 years of experience designing, building and scaling production applications using TypeScript, Node.js, React and PostgreSQL across SaaS, AI, fintech, Web3,and commerce.

Experienced in backend architecture, API design, database optimization, asynchronous processing, real-time systems and AI integrations. Builds scalable products end-to-end, from initial architecture to production delivery.

Hands-on engineer with a strong product mindset, technical leadership experience and a track record of building platforms from 0 to 1.

Core Expertise

Full Stack Architecture | Backend Engineering | API Design & Integrations | Database Architecture | Distributed & Real-Time Systems | AI Integrations | Product Engineering | Technical Leadership

Highlights:

- Built and scaled products serving 1M+ users across 100+ brands
- Optimized large-scale data processing from hours to minutes
- Developed AI assistant integrations using CopilotKit, AG-UI and AWS-hosted AI models
- Former Tech Lead for 10+ engineers

Email
hello@bigerjot.com

Website
https://bigerjot.com

Phone
(+48) 514 739 284

Address
Warsaw, Poland

Linkedin
rafalmikucki

Languages

Polish
Native

English
Professional working

Experience

Jul 2026 – Present · Remote

MySite.ai
Senior Full Stack Engineer

AI-Powered SaaS Platform | Full Stack Product Engineering

Develop and maintain production features across a Next.js frontend and NestJS backend. Working with TypeScript, PostgreSQL, Prisma and AWS

Developed an AI powered assistant using CopilotKit and the AG-UI protocol, integrating AWS-hosted AI models into the application to enable conversational AI interactions

Designed and implemented backend functionality for a notification system, including database models, REST endpoints, recipient management, deduplication and authorization with Cerbos

Implemented event-tracking integrations using RudderStack, including user identification, structured event contracts, and idempotent event processing

Contributed to backend workflows for social media provider migrations, account reconnection, billing, and subscription management

Work on API design, database migrations, performance improvements, and integration with AWS services including Cognito, Lambda, S3 and SES

Participate in architectural decisions, code reviews, and cross-functional delivery of product features

Jan 2023 – Jun 2026 · Remote

Snag Solutions
Lead Frontend Engineer → Senior Full Stack Engineer

Loyalty platform | Backend & Product Engineering

Developed full stack features for a Web3 loyalty platform serving over 1 million users across more than 100 brands and 15 blockchain networks

Rearchitected large CSV processing using S3 presigned uploads, PostgreSQL, BullMQ, Redis, streaming parsers, Zod validation and batched Prisma writes, supporting files up to 2 GB and millions of records

Reduced worker memory consumption from over 2 GB to a few hundred MB and processing times from hours to minutes

Contributed to the design and implementation of a loyalty ledger using PostgreSQL transactions and database consistency mechanisms

Co-developed background processing workflows using BullMQ and Redis, including retries, database level idempotency, scheduled jobs, and error monitoring through Sentry

Proposed and implemented a configurable Page Builder, replacing recurring custom landing page development with a reusable product capability

Participated in production on-call rotations, diagnosing and resolving issues in live systems

Prediction markets aggregator | Product Engineering

Architected and implemented a modular SDK ecosystem consisting of four public packages: SDK, Hooks, UI and Auth

Separated framework-independent business logic from React state management, UI components and authentication to enable flexible partner integrations

Built real-time trading interfaces using WebSockets, including market data, order books, charts, trading workflows and account management

Automated versioning, testing, documentation, and npm package publishing using Changesets and GitHub Actions

Enabled partner integrations in days rather than weeks, with approximately 30 companies integrating or evaluating the platform

Automated typed SDK output and API and Mintlify documentation from ts-rest contracts, reducing manual documentation work

Sep 2021 – Dec 2022 · Remote

Boson Protocol
Full Stack Engineer

Joined an early stage engineering team to help build the initial Boson App, owned frontend while contributing to node.js backend functionality

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 real time buyer - seller communication functionality across frontend and backend services

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.

Worked with GraphQL and MongoDB in application development

Collaborated directly with founders, the CTO, and engineers on product requirements, architecture, and technical decisions

Jan 2017 – Aug 2021 · Warsaw, Poland

Silk Software House
Frontend Developer → Full Stack Developer → Technical Lead

Progressed into a Tech Lead role, leading approximately 10+ frontend engineers and coordinating delivery with backend teams, designers, and project managers

Mentored junior developers, helping approximately five progress to mid-level and supporting two promotions

Owned architecture across multiple projects, driving technical planning, estimations, code reviews, stakeholder communication and delivery

Took primary ownership of backend architecture and implementation for a T-Mobile enterprise communication platform within a developer team

Designed GraphQL schemas, resolvers, data mapping and subscriptions using Apollo Server, MongoDB and Redis

Integrated legacy enterprise systems through SOAP APIs and designed application authorization mechanisms

Jan 2017 - Aug 2021 Warsaw, Poland

Silk Software House

Frontend Developer → Full Stack Developer → Technical Lead

Modernized engineering practices by introducing TypeScript, React, reusable project templates, automated testing, coding standards and CI

Created a reusable GitHub starter template that reduced new-project setup from approximately one week to a template and a few terminal commands. The template remained in use after departure

Delivered projects for software-house clients including Mercedes-Benz, Mercedes-Benz Vans, Lidl, T-Mobile, Supercruises and many more. Designed the UI and UX and implemented the complete frontend for a Mercedes-Benz project that received strong client feedback

Proposed Mapbox for Supercruises when Google Maps did not fit the product experience, enabling custom animated cruise routes and stronger visual control at approximately 30% of the projected Google Maps cost

Jul 2014 - Dec 2016 Warsaw, Poland

ITIS sp. z o.o.

Frontend 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, Express.js; PostgreSQL, DynamoDB, GraphQL; 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

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

I hereby consent to the processing of my personal data included in my job application for the purposes necessary to carry out the recruitment process in accordance with Article 6(1)(a) of Regulation (EU) 2016/679 of the European Parliament and of the Council (GDPR).