

Adam Rybinski

Full-Stack Engineer | Node.js, React, Cloud Architecture

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TECHNICAL EXPERTISE

Backend & APIs

Node.js · GraphQL · REST APIs · Python · Microservices · API Design · Authentication & Authorization · WebSockets

Frontend & UI

React · TypeScript · Next.js · JavaScript · HTML5/CSS3 · Responsive Design · Component Libraries · SSR

Cloud & Infrastructure

AWS (Lambda, EC2, S3, RDS, CloudFront) · Azure · Cloud Architecture · CI/CD · Docker · Kubernetes · Serverless · Infrastructure as Code

Databases & DevOps

PostgreSQL · MongoDB · Redis · Git · Jenkins · GitHub Actions · Monitoring · Performance Optimization · System Design

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Engineer

April 2022 – Present

- Designed and built full-stack applications using **Node.js**, **GraphQL**, and **React/TypeScript**, serving **10M+ users** with 99.9% uptime
- Architected cloud-native solutions on **AWS** including Lambda, EC2, RDS, and S3 with comprehensive **CI/CD pipelines** for automated deployment
- Developed scalable **REST and GraphQL APIs** for financial and healthcare platforms with complex business logic and real-time data processing
- Built responsive, performant frontends with **Next.js** and modern state management, achieving sub-second load times
- Implemented microservices architecture with Docker and Kubernetes, improving system scalability by 300%
- Optimized database queries and implemented caching strategies (Redis), reducing API response times by 60%

Senior Software Engineer, Betsson Group

April 2023 – May 2025

- Developed robust design system components in **React/TypeScript**, improving development velocity across teams by 40%
- Collaborated with cross-functional design teams to ensure seamless integration and consistent user experience across **gaming platforms**
- Enhanced UI/UX through meticulous attention to detail and adherence to modern frontend best practices, reducing user friction by 35%
- Built responsive, high-performance interfaces for real-time **gaming platforms** with complex state management using **Zustand**, efficiently handling concurrent users
- Implemented agile methodologies and design thinking processes, fostering continuous improvement culture

Senior Software Engineer, Deriv Europe

October 2021 – April 2023

- Developed **React**-based **trading interfaces** with real-time data visualization and responsive design, improving user decision-making speed by 25%
- Built **GraphQL/REST APIs** powering frontend applications for high-frequency financial platforms
- Created accessible, intuitive UIs for complex financial tools used by global trading community, enhancing user engagement through data-driven design

Software Engineer, IBM

January 2017 – 2021

- Collaborated extensively with design teams to create cognitive AI interfaces using **Watson services** and early LLM concepts, improving data accessibility for enterprise users
- Built **React** frontends for enterprise AI applications in healthcare and banking sectors
- Developed advanced data grid components integrated with Carbon Design System for IBM Cloud platforms
- Created explainable AI visualizations helping users understand complex ML model decisions, applying principles of prompt engineering for clearer AI outputs

EDUCATION

M.S. Cognitive Science

Jagiellonian University, 2017–2019

Thesis: Explainable AI through Deep CNN structure analysis

B.Sc. Neuroscience

Jagiellonian University, 2011–2015

Project: Neural Network Analysis with Graph Theory

LANGUAGES

English (C1) · Polish (Native)