

RAFAŁ BAGROWSKI

LEAD FULL-STACK PRODUCT ENGINEER

FULL-STACK SAAS DELIVERY • RELIABLE WEB PRODUCTS • TECHNICAL LEADERSHIP

Lead full-stack product engineer with 9+ years of experience turning complex SaaS workflows into reliable products. I work across React and Next.js interfaces, Node.js services, AI/video systems, integrations, cloud operations, and pragmatic delivery practices.

CONTACT

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TECHNICAL LEADERSHIP

- AI Creative Systems**
Built avatar, voice/video, screenplay-driven video, transcripts, thumbnails, captions, background removal, and alpha matting workflows.
- Platform Foundations**
Owned creator/collaborator flows, guest access, invite links, public joins, callbacks, batch APIs, admin tools, and publishing.
- Engineering Practice**
Lead architecture, code reviews, mentoring, frontend/backend/API standards, and pragmatic delivery.
- Security-Minded Delivery**
Think early about auth, data handling, deployment, logs, vendor integrations, secrets, and failure modes.

EXPERIENCE

- Apr 2022 - Now
Lead Full-Stack Engineer
Zync • Remote • AI video SaaS, collaboration, automated content production
 - Lead engineering across Zync, Collab Studio, ContentKit, Video Production, and Video AI for meetings, collaborative creation, automated content, and AI workflows.
 - Built React/Next.js, Node.js, TypeScript, GraphQL, Python, Remotion, FFmpeg, OpenCV, GCP, Azure, Docker, and Kubernetes systems.
 - Developed automation turning recordings and collaborator responses into screenplay-driven videos with transcripts, AI thumbnails, fast retries, and render callbacks.
 - Built cloud GPU avatar and voice/video pipelines, background removal, alpha matting, batch APIs, callbacks, and scalable rendering infrastructure.
 - Shipped Stripe/AppSumo/workspace monetization, publishing integrations, webhooks, Calendly, logging, analytics, retries, cache invalidation, and deployment automation.
- Jun 2021 - May 2022
Senior Frontend Engineer
Fast White Cat S.A. • Remote • React commerce platforms
 - Built React, TypeScript, GraphQL/Apollo, Node.js, and Magento PWA Studio storefront features across checkout, cart, shipping, payments, listings, and account flows.
- Oct 2019 - May 2021
Senior Software Engineer
GFT Group • React, React Native, Node.js, TypeScript, GraphQL, GCP
 - Delivered web/mobile financial-services software, test coverage, and cloud-native delivery with GCP, Docker, and Kubernetes.
- 2017 - 2019
Earlier: BI / Full-Stack Web
JLL • React, TypeScript, Node.js, SQL, Tableau APIs, Azure DevOps

ENGINEERING IMPACT

- Production AI, Not Demos**
Generation workflows with callbacks, retries, batch APIs, output handling, and visible product states.
- Creative Ops Acceleration**
Remotion/FFmpeg workflows for captions, layouts, b-roll, hooks, intro/outro, audio, and assembly reduced manual work by hours.
- Product Ownership**
Turn ambiguous product goals into architecture, trade-offs, implementation slices, and releases.
- Platform Integrations**
Stripe, AppSumo, publishing channels, webhooks, Calendly, collaboration, and workspace flows.

STACK

Core	TypeScript, JavaScript, Python
Product	React, Next.js, Node.js, GraphQL, REST
AI + Video	Remotion, FFmpeg, OpenCV, AI/LLM workflows, voice/video generation
Cloud	GCP, Azure, Docker, Kubernetes, AKS, GKE, ACR, Service Bus
Delivery	CI/CD, Cypress, Jest, RTL, code review

RELIABILITY

- Observability**
Logging, analytics, health probes.
- Workflow Safety**
Retries, cache invalidation, duplicate render handling.
- Security Awareness**
Auth, access, secrets, data flow, vendor/API risk.