

Arsenij Dmitriev

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Engineering Manager · Platform & Frontend

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Summary

Engineering Manager with a frontend and platform background, **building software since 2010**, mostly on media-heavy high-load platforms. Now leading a VR video content pipeline at DeoVR: **~1,200 videos/week** through upload, transcoding, ML processing, moderation and compliance.

Skills

Platform & Backend	Go, PHP (Yaf), Python, Camunda (BPMN)
Infrastructure & Data	Kafka, RabbitMQ, AWS S3, MongoDB
Frontend	JavaScript (ES6+), Vue.js, Nuxt.js
Languages	English — B2 (Upper-Intermediate), Russian — C2 (Native)

Work experience

Engineering Manager Infomediji (DeoVR, VR/AR video) Apr 2025 – Present

- Own the content pipeline end to end: upload, moderation, compliance, transcoding, ML processing, web. **~1,200 videos/week** across 2 projects.
- Designed a **Camunda 8 BPMN workflow** to replace ad-hoc pipeline logic: every step is now visible and auditable.
- Introduced the **6DoF upload service**: a new content format from ingest to publishing, with multipart upload for multi-gigabyte files.
- Run a **team of 3 engineers and a QA**: planning, onboarding, retros, documentation. Stay close to the code and the architecture.
- Lead moderation & compliance tooling used daily by a **moderation team of 10**, automating the parts they used to do by hand.
- Redesigned moderation tooling templates (action tags, moderation decisions, compliance review, video gallery management): **the most frequent actions went from several screens to one**.
- Refactored the transcoding ladder across 2 projects. Audited pipeline stats and real client resolution usage, dropped the tiers nobody watched, simplified legacy generation logic: less transcoding for the same quality coverage.
- Built an operational analytics dashboard for daily moderation performance and transcoder/upload health: **pipeline failures surface there before support hears about them**.
- Implemented duplicate video detection with automatic Slack/internal channel notifications.

Tech stack: Camunda, Go, Python, PHP (Yaf), Kafka, RabbitMQ, MongoDB, AWS S3, Tableau

Content Management Team Lead DeoVR Feb 2024 – Mar 2025 · 1 yr 2 mo

- Architected and delivered the internal CMS: admin UIs, APIs, integrations with legacy systems. Became the primary tool for a moderation team of 6.
- Designed and built a step-by-step video upload flow: creators go through upload, metadata and submission with validation at each step.
- Drove frontend architecture for CMS tooling with a backend team of 3: fewer duplicated screens, less to change when a flow changes.

Tech stack: JavaScript, Vue.js, Nuxt.js, PHP (Yaf), Tabler UI, CUMO

Senior Frontend Developer DeoVR Mar 2017 – Jan 2024 · 6 yrs 11 mo

- Built **CUMO**, an internal utility-first CSS framework inspired by Tailwind. Adopted across 5+ products.
- Primary frontend point of contact across 5+ concurrent products and cross-functional teams.
- Led a full project refactor: SEO, image optimisation (lazy loading, format conversion, compression), Core Web Vitals.

Tech stack: JavaScript, Vue.js, PHP (Yaf), CUMO, HTML5, CSS3, Smarty

Frontend Developer / Designer Freelance / dmitrievstudio.com Feb 2012 – Feb 2017 · 5 yrs

- Co-founded kotiko.by (e-commerce, pet products); led frontend and product design from launch.
- Built and shipped Losko Magazine, FC Dynamo Minsk prints, jullz.by.

Education

Belarusian State University · Bachelor's Degree, Physics & Electronics · 2012