

# Alexander Voronkov

## Backend / API & Integrations Engineer

Partner APIs, payments, data pipelines, scraping/validation, queues, reliability and internal tooling

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### PROFILE

Backend-focused engineer for systems where APIs, integrations, cloud/event-driven architecture, data quality and production reliability matter. Recent work spans travel partner APIs, marketplace backends, payments, queues, scraping infrastructure, source reconciliation, observability and AI-assisted internal tools.

Built Affiliate API used by about 10,000 partner sites/OTAs and contributing about 10-40% of 12Go GMV.

Designed data and integration systems for transport, marketplace, cruise aggregation, document intelligence and Mattermost automation.

Strong with REST APIs, Node.js/TypeScript, Laravel/PHP, Python/FastAPI, SQL, Redis/BullMQ, AWS Fargate/Lambda/RDS/SQS/SNS, event-driven systems and payment providers.

### RECENT EXPERIENCE - LAST 10 YEARS

#### FamBear - Backend / Platform Contributor

2022-present

- Own backend architecture, integrations, admin systems and production troubleshooting for caregiving marketplace products.
- Built AWS/Docker CI/CD with automated API/web/mobile tests; regression time fell from 1 day to under 2 hours while uptime stayed around 99.9%.
- Work includes Laravel/PHP, Vue, Node.js, TypeScript, PostgreSQL, Redis, payment flows, AI assistants and localization automation.

#### SeatOS - Backend / Integrations Lead

2021-2025

- Designed backend services and partner/operator integrations for transport-management workflows processing about 30,000 tickets/day.
- Moved infrastructure to AWS Fargate/RDS/Aurora/Lambda/SQS/SNS, introduced CI/CD and monitoring with Bitbucket Pipelines, Datadog and BugSnag.
- Instrumented GA4/custom dashboards and production error visibility; MTTR fell 40% and critical error rate fell 35%.

#### 12Go Asia - API Developer / Product Owner

2016-2021

- Built and owned Affiliate API used by about 10,000 partner sites and OTAs, generating about 10-40% of company GMV.
- Designed booking/search APIs, partner dashboards, payment integrations, local-card/Stripe/PayPal flows and transport operator integrations.
- Led Inventory Management System delivery, automating about 25% of routes/carriers and reducing manual data-entry hours by 70%.

#### Megadodo Simulation Games - Payments & Integrations Developer

2021-2022

- Integrated Stripe, PayPal, BTC/ETH payments, Discord OAuth/Bot API role sync, support tooling, backups and CI/CD for DecaGear launch platform.

### SELECTED RELEVANT PROJECTS

- Cruise Aggregation Platform: NestJS/TypeScript/MariaDB/Redis/BullMQ system aggregating 30+ sources with Playwright/Puppeteer scraping, source evidence, low-trust data validation, AIS/MMSI enrichment and anomaly tooling.
- Mattermost Custom Solutions: Go/TypeScript plugins and integrations for GitHub, AWS, Google Calendar, Bugsnag and AI-provider usage/cost monitoring.
- DocDig: FastAPI backend, worker pipelines, Qdrant vector search, OCR/model caches and Redis/RabbitMQ/MinIO-style event processing.

### RELEVANT SKILLS

REST APIs / Partner APIs / Node.js / TypeScript / NestJS / Python / FastAPI / Laravel / PHP / Go / PostgreSQL / MariaDB / Redis / BullMQ / RabbitMQ / Qdrant / Docker / AWS Fargate/Lambda / RDS/Aurora / SQS/SNS / Event-driven systems / Nginx / GitHub Actions / Bitbucket Pipelines / Playwright / Puppeteer / Stripe / PayPal / Datadog / BugSnag

### EDUCATION

Bauman Moscow State Technical University - Engineer, Software for Computer Engineering and Automated Systems

### LANGUAGES

Russian - native / English - C1