



# Alexander Babenko

Software Developer

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## Profiles

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## Summary

Backend engineer who understands business context, not just code.  
My value: I can join messy legacy projects and gradually make them better without breaking production.

- Experience:
- Refactored undocumented cancer diagnostics system (3 languages, no docs, couldn't stop production)
  - Developed microservices for nephrology platform, mentored junior developers
  - Contributed to KrakenD open source (API Gateway)

Core skills: Go, legacy refactoring, process establishment

What makes me different: Bird's eye view, interesting in institutional economics. I think about software coordination mechanisms the same way economists think about institutions - incentives, trade-offs, evolution over time.

Remote from Thailand. Interested in Web3/DeFi, complex domains, places where understanding business matters as much as writing clean code.

Not for: LeetCode marathons, gambling/gaming, relocating

Best for: Legacy refactoring, teams that need process+mentorship, product-minded cultures

## Experience

**Unim** **June 2020 - December 2023**  
Lead Software Engineer Remote

Digital pathology laboratory specializing in cancer diagnostics digitization. Joined during critical transition after entire previous engineering team departed.

**Crisis Management:** Inherited legacy system with zero documentation — multiple distributed monoliths in JavaScript, Python, Go with extremely low stability. Maintained continuous laboratory operations while rebuilding infrastructure.

### Technical Contributions:

- Analyzed and refactored existing subsystems while maintaining service availability
- Designed and implemented new microservices for architecture modernization
- Established CI/CD pipelines on GitLab, smoke testing with Postman, OpenAPI specifications
- Introduced code generation tooling (oapicodegen) for development velocity

**Key Achievement:** Transformed fragile, undocumented system into maintainable architecture without disrupting critical diagnostic workflows.

**Spora (Nefrosovet)** **February 2018 - June 2020**  
Lead Software Engineer Remote

Nephrology platform development. Led development team.

**Responsibilities:** System architecture design, microservice development, technical documentation, team leadership (7 members), hiring, standards and best practices.

### Projects:

- Dynamically configurable messaging system (Go, SMS, SMTP, Viber, Telegram, Slack, MQTT)
- User authentication service with multiple backends (Go, JWT, LDAP, OAuth)
- KrakenD-based API gateway with JWT authorization
- Various CRUD microservices (Go, MongoDB, CockroachDB, MQTT)

All projects Docker-ready, deployed in Kubernetes via Helm. Accelerated development with code generation tools (go-swagger, oapicodegen).

**One Million Likes** **July 2016 - February 2018**  
Software Engineer Remote

Remote development and maintenance of Go microservices.

Tech stack: Go, NSQ, Docker, PostgreSQL, Redis

**REG.RU** **February 2016 - May 2017**  
Software Engineer Remote

Domain registrar and hosting company.

Maintained legacy code (Perl, Catalyst, MySQL), wrote technical specifications, developed new functionality including internal link shortening service.

**Setup.ru** **May 2012 - February 2017**  
Software Developer Remote

Website builder platform.

**Responsibilities:** Legacy code maintenance (Perl, MySQL), technical specifications, new feature development (Perl, Go), billing support, report generation.

### Achievements:

- Integration with payment systems, social networks, OAuth
- Email newsletter system implementation
- Reorganized development processes (git flow, daily deployment)
- Supported high-load static data service (Go, Aerospike, Cassandra)

**Columbus Studio** **July 2011 - April 2012**  
Perl Developer

Web scraping, XML/JSON parsing, web development.

## Education

**OTUS Online Education** **2020 - 2021**  
Software Architecture and Microservices Professional Development

## Projects

### KrakenD API Gateway

Open source contributor to high-performance API Gateway

🔗 <https://github.com/krakend>

Contributed to KrakenD, an open-source API Gateway with JWT authorization support

Go, API Gateway, Open Source

## Skills

### Go

Primary language, 7+ years

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microservices, distributed systems, API development

### API Design

OpenAPI, go-swagger, oapicodegen

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OpenAPI, REST, code generation

### Databases

MongoDB, PostgreSQL, CockroachDB, Redis

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MongoDB, PostgreSQL, CockroachDB, Redis, Aerospike, Cassandra

### DevOps

Docker, Kubernetes, Helm, CI/CD

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Docker, Kubernetes, Helm, GitLab CI

### Messaging

NSQ, MQTT, Kafka concepts

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NSQ, MQTT, message queues

### Legacy Refactoring

Incremental modernization without downtime

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refactoring, technical debt, migration

## Interests

### Web3/DeFi

blockchain, decentralized finance, smart contracts

### Institutional Economics

coordination mechanisms, incentive design

### Distributed Systems

scalability, fault tolerance

## Publications

**О корпоративной культуре для распределенных команд и не только**  
Habr

Article on corporate culture for distributed teams

### Спасение интернета

Habr

Article on internet infrastructure

### Mesh-роутер — это просто

Habr

Technical article on mesh routers

## Languages

### English

Limited working proficiency  
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### Russian

Native  
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