

MICHAEL BARKALOV

Backend Developer · Go / Python

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PROFESSIONAL SUMMARY

Backend developer with 2+ years of production experience in Go and Python, specializing in payment systems, fintech platforms, and scalable distributed architecture. Delivered production systems end-to-end — from database design to Kubernetes infrastructure — including a solo launch under a one-month hard deadline, and led a backend team as Tech Lead throughout a 2-year fintech engagement.

EXPERIENCE

ADNova — Dec 2025 – Mar 2026 · 4 months

Golang Developer · Moscow

- Built and shipped a CPA platform solo to production within one month under a hard deadline.
- Architecture: Chi router (chosen for payment-critical API paths); PostgreSQL + Redis with event sourcing; SeaweedFS; Kubernetes (k3s + Traefik).
- Integrated 4 payment gateway providers; async batch processing with asynq; financial reconciliation logic.
- Set up CI/CD pipeline (GitHub Actions), production deployment, and monitoring from scratch.

Result: Zero payment loss in production; full financial auditability achieved.

Fintech Platform (Confidential) — Nov 2023 – Dec 2025 · 2 yrs 2 mo

Tech Lead / Python Developer · Remote

- Led a 2-person backend team on a fintech web platform through the full product lifecycle.
- Designed PostgreSQL schema; built customer loyalty system; implemented OAuth 2.0 + TOTP authentication and RBAC with audit trail.
- Responsibilities: code reviews, architectural decisions, sprint planning, cross-team coordination.
- Built unit and integration test suites; managed CI/CD pipeline with Docker Compose.

Result: System successfully scaled from MVP to production-ready high-load architecture.

KickTheDoll — Jul – Oct 2024 · 4 months

Python Developer · Freelance · FastAPI, SQLAlchemy, React, TypeScript, Docker

- Telegram Mini App with internal game economy and TON blockchain crypto payments.
- Concurrent balance system using PostgreSQL advisory locks; 6 game modes, referral system, admin panel.

EscapelQ — Oct – Nov 2024 · 2 months

Python Developer · Freelance · Python, aiogram 3, Pyrogram, MySQL, Docker

- Telegram broadcast bot with four-tier RBAC role system and FSM-based conversation flows.
- Hybrid architecture: Pyrogram user-mode + aiogram.

TECHNICAL SKILLS

Programming Go, Python

Backend Chi, FastAPI, gRPC, REST API

Databases PostgreSQL, Redis, MySQL

Infrastructure Kubernetes, Docker, GitHub Actions, CI/CD, Linux

Security OAuth 2.0, JWT, TOTP, RBAC

Patterns Event sourcing, async processing, financial reconciliation

Languages Russian — Native · English — C1 Advanced