# Danil Lobanov

Backend Developer (Golang, C#,.NET, PostgreSQL, Docker, gRPC)

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## Summary

Backend Developer with over 3 years of experience in building scalable SaaS products and enterprise-grade CRM/ERP systems. Proficient in designing and developing backend solutions using **C# (.NET)** and **Golang**, with a strong focus on microservices, REST/gRPC APIs, message brokers (RabbitMQ, Kafka), database performance tuning, and CI/CD automation.
Delivered multiple successful modules for HR automation, eCommerce admin panels, and task management systems, resulting in a 40% reduction in operational errors and a 60% increase in delivery speed.

## Work Experience

**Backend Developer**                                                                                         March 2023 – Present
**Valletta Software Development LTD**                                                                              Malta (Remote)

Working on a CRM system for automating recruitment processes for a European client. Part of an 8-person Scrum team.

- Developed the candidate management module, including full CRUD, filters, and access roles
- Built REST APIs for the admin panel
- Designed and implemented a notification microservice for async messaging (Telegram & Email)
- Set up message delivery via RabbitMQ with retry policies (Polly)
- Integrated Redis caching and Prometheus + Grafana monitoring

**Achievements:**

- Improved analytical report speed by 25% through optimized SQL queries and caching
- Reduced notification delivery errors by 20%, increased delivery speed by 35%
- Reduced deployment time from 10 to 3 minutes via GitHub Actions CI/CD

**Tech Stack:** C#, .NET 6/8, Go, ASP.NET Core, PostgreSQL, Entity Framework Core, RabbitMQ, MassTransit, Redis, Docker, GitHub Actions, xUnit, NSubstitute, FluentAssertions, Swagger, Prometheus, Grafana

**Backend Developer**                                                                              September 2021 – February 2023
**DKH.Commerce**                                                                                                China (Hybrid)

Developed a task management system for smart containers based on a microservice architecture. Worked in a 6-person team using Scrum.

- Built admin panel logic for user, task, and project management
- Implemented business logic for status transitions, deadlines, and permissions
- Configured JWT authentication and role-based access
- Exposed internal gRPC services for IoT device interactions
- Created a telemetry processing microservice handling high-frequency sensor data
- Built gRPC clients to fetch and validate data from smart devices
- Integrated with monitoring/logging pipelines

**Achievements:**

- Improved service communication speed by 30% by replacing REST with gRPC
- Delivered 4 microservices using Clean Architecture principles
- Achieved 60%+ unit and integration test coverage

**Tech Stack:** Go, C#, .NET Core, gRPC, PostgreSQL, Docker, Clean Architecture, Swagger, xUnit, NSubstitute

## Education

**National Research Nuclear University MEPhI**,                                                                    2024 – 2026
Master's Degree – Software Engineering,                                                                         Russia, Moscow
**Peoples' Friendship University of Russia**,                                                                     2011 – 2015
*Bachelor's Degree – Agronomy*                                                                                 Russia, Moscow

## Skills

C#, Go, TypeScript, SQL, .NET Core, ASP.NET Core, Node.js, Next.js, React, PostgreSQL, MySQL, Microservices, Clean Architecture, REST, gRPC, Docker, Git, GitHub Actions, Redis, RabbitMQ, Kafka, Prometheus, Grafana, xUnit, NSubstitute
Languages: Russian — Native, English — C1 (Advanced), Chinese — B1 (Intermediate)