Open to work

Yeldos Sozakbay

C#/.NET Developer

Male, 23, born 14 September 2003
Based in Astana · Citizenship: Kazakhstan, work permit: Kazakhstan
Ready to relocate and travel for work

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Desired position

POSITION	SPECIALIZATION	EMPLOYMENT TYPE
C#/.NET Developer	Programmer, developer	Full-time
WORK FORMAT	**COMMUTE TIME**	**SELF-EMPLOYED · HEALTH RECORD BOOK**
On-site, remote, hybrid	Doesn't matter	No · yes

Work experience — 5 years

.NET Developer · PBSOFT

Jun 2021 — Mar 2026 · 5 years

Astana · pbsoft.kz

Information technology, system integration, internet: internet company (search engines, payment systems, social networks, information and entertainment resources, website promotion, etc.); system integration, automation of technological and business processes, IT consulting.

Responsibilities

- Developing and maintaining server-side applications and services in C# and .NET, implementing business logic from technical requirements
- REST APIs on ASP.NET Core (Web API) documented with Swagger
- Data access with Entity Framework Core and LINQ, raw SQL where performance matters
- Designing and optimizing database schemas and SQL queries (PostgreSQL, MS SQL Server), caching in Redis
- Integrating external APIs and third-party systems (SOAP, Apache Kafka), packaging services in Docker, build and deployment via CI/CD
- Unit tests for business logic with xUnit, async processing (async/await)
- Finding and fixing production issues, maintaining live services
- Task estimation, Agile/Scrum, direct communication with clients to clarify requirements and present solutions
- Supervising interns, taking part in code reviews

Case studies from this role

01 Speeding up reports and database queries

PROBLEM

Key reports and screens took too long to load, and some queries timed out on large data volumes. Users complained, and the database server load kept growing.

RESULT

Key report generation time dropped from 15 to 2 seconds, timeouts disappeared, and database server load decreased by 40%.

SOLUTION

- Analyzed slow queries using execution plans (EXPLAIN ANALYZE in PostgreSQL)
- Rewrote heavy queries: removed redundant JOINs and unnecessary columns, replaced cursors and loops with set-based operations
- Added missing and composite indexes, dropped unused ones
- Moved long-running operations to asynchronous processing (async/await) so the UI stays responsive

C# .NET PostgreSQL

02 Asynchronous integration with external systems

PROBLEM

The system had to exchange data with several external services and adjacent systems. Synchronous calls slowed down the main workflow, and when the other side was unavailable, data was lost or had to be resent manually.

RESULT

10+ external systems connected, thousands of messages processed daily, and manual resending is no longer needed. The main workflow no longer waits for external systems and doesn't depend on their availability.

SOLUTION

- Took part in designing and built the integration layer: SOAP for external APIs, Apache Kafka for asynchronous messaging between services
- Implemented retries, error handling and logging, so a failure on one side no longer caused data loss
- Worked with SOAP service contracts via WSDL, containerized services with Docker, and helped set up build and deployment via CI/CD

C# .NET SOAP WSDL Apache Kafka Docker CI/CD

03 Client-server module with business reporting

PROBLEM

The business needed a new module for working with data and generating printable forms and reports. Previously, reports were compiled manually in Excel.

RESULT

The module was launched in a couple of months; reports are now generated automatically instead of being compiled by hand, saving dozens of hours per week. The module is used by thousands of employees.

SOLUTION

- Gathered requirements directly from the client together with the team, estimated timelines and effort, and presented the solution
- Implemented the server-side business logic in .NET
- Built the database schema for the module
- Built reports and printable forms in StimulSoft Reports
- Covered the core logic with unit tests; all code went through code review. Interns I supervised took part in development

C# .NET Windows Forms StimulSoft Reports PostgreSQL Unit Testing

Backend Developer · Freelance

Apr 2026 — now

Remote · private orders in C# and .NET plus my own side projects (see Projects)

Skills

Kazakh	Russian	English
Native	C1 — Advanced	B2 — Upper-intermediate

C# PostgreSQL ASP.NET .NET Core Git SQL Docker .NET Apache Kafka MS SQL REST API RabbitMQ Linux Entity Framework .NET Framework ASP.NET Core Redis MySQL Python Grafana Kubernetes ClickHouse CI/CD JavaScript DDD MongoDB gRPC WPF

About me

I have 5 years of commercial backend development experience in C# and .NET (since 2021). At PBSOFT I built and maintained server-side logic, client-server modules and integrations with external systems. I work a lot with databases: optimizing SQL queries and schemas (PostgreSQL, MS SQL Server), using asynchronous processing (async/await, Apache Kafka), and following SOLID and Clean Code principles. Since April 2026 I've been freelancing: client projects and side projects.

How I can help

- **Backend & integrations:** business logic and APIs in .NET, integrations with external systems via SOAP and Apache Kafka, finding and fixing production issues.
- **Databases:** table design and indexes, finding and optimizing slow queries using execution plans.

- **Team & clients:** code reviews, onboarding interns, estimating tasks, working directly with clients.
- **Education:** Bachelor's in Applied Informatics + Cisco certifications (Networking & Cybersecurity).

Projects

OrderFlow — order service with reliable event delivery

github.com/yeldos13/OrderFlow

An order service that delivers events to an external system via Kafka and survives its failures.

- REST API on ASP.NET Core: ProblemDetails, OpenAPI, health checks
- Transactional Outbox: order and event saved in one transaction
- Idempotent order creation via request key
- Kafka consumer with deduplication of redelivered events
- Polly: retries and circuit breaker, dead letter topic
- Unit tests and integration tests with Testcontainers

ASP.NET Core · EF Core · PostgreSQL · Kafka · Outbox · Polly · xUnit · Testcontainers · Serilog · Docker

Platform — Kubernetes and observability for OrderFlow and PayLedger

github.com/yeldos13/Platform

A local production-like environment: a k3d cluster deployed with Helm, brought up by one command.

- Helm charts: PostgreSQL, Kafka in KRaft mode, every service with migrations in an init container
- OpenTelemetry: one trace from the HTTP request through the outbox and Kafka to the consumer, in Tempo
- Prometheus and Grafana: RPS, p95, 5xx, outbox size, consumer lag; dashboard as code
- k6 load test up to 400 req/s, API p95 under 10 ms
- Found the bottleneck in PayLedger outbox publishing: peak backlog dropped from 19,000 to 236

Kubernetes · k3d · Helm · OpenTelemetry · Tempo · Prometheus · Grafana · k6 · Kafka · PostgreSQL

PayLedger — double-entry payment ledger

github.com/yeldos13/PayLedger

A Java fintech project: accounts, transfers and double-entry postings.

- REST API on Spring Boot 4: Problem Details, OpenAPI, health checks
- Double-entry: every transfer is a set of balanced postings in one transaction
- No double spending: optimistic locking with retry on conflict
- Idempotent transfers via the Idempotency-Key header
- Structured JSON logs, PostgreSQL and Flyway migrations
- Transactional Outbox → Kafka, Testcontainers tests, CI on GitHub Actions

Java 21 · Spring Boot 4 · Spring Data JPA · PostgreSQL · Flyway · Maven · Kafka · Docker

Education

2024 **Bachelor's · Siberian Institute of Business and Information Technologies, Omsk**
Applied Informatics, Applied Informatics in Economics

Professional development, courses

2025 **The Complete Xamarin Developer Course**
Udemy

2025 **PostgreSQL Certification Course**
W3Schools

Digital certificates

2025 **Udemy The Complete Xamarin Developer Course: iOS And Android**

2025 **W3Schools PostgreSQL certification exam**

2019 **Cisco CCNA: Networking**

2019 **Cisco CCST: Cybersecurity**

Tech stack

C#, PostgreSQL, ASP.NET, .NET Core, Git, SQL, Docker, .NET, Apache Kafka, MS SQL, REST API, RabbitMQ,

2020 **Software Development**
IT STEP Academy

2019 **CCNA: Networking**
Cisco

2019 **CCST: Cybersecurity**
Cisco

Linux, Entity Framework, .NET Framework, ASP.NET Core, Redis, MySQL, Python, Grafana, Kubernetes, ClickHouse, CI/CD, JavaScript, DDD, MongoDB, gRPC, WPF.

Preferred work format: open to on-site, hybrid or fully remote work.

Learn more about me, my case studies and experience on my website sozakbay.dev and my GitHub github.com/yeldos13.