

# Denis Mikhalev

**Senior .NET Software Engineer** High-Performance Distributed Systems · Scalable Microservices · Performance Optimization · Azure Certified

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## SUMMARY

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C# Developer with 6+ years of experience in full-cycle software development — from gathering requirements to delivering scalable, high-performance applications with CI/CD and high test coverage. Worked on large-scale projects at **Litmos**, **Bosch (ETAS)**, and **Citibank**, focusing on architecture, building services from scratch, and performance optimization. Collaborated with international teams from the USA, Germany, and Australia. Open to relocation & remote work.

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## EXPERIENCE

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### Full-stack Software Engineer — Litmos

May 2023 — Present | US-based SaaS LMS platform

- Migrated legacy bulk course completion service from SQL stored procedures to .NET 7.0 Windows Service using **Azure Service Bus** — **74% reduction** in data processing time.
- Optimized report generation engine — from **35 minutes to 1 min 15 sec** (96% improvement).
- Built granular roles and permissions system for enterprise-level access management.
- Eliminated memory leaks in a key Windows service, restoring system stability.
- Resolved SQL data duplication issue, reducing support team workload by 17%.
- Fixed critical frontend accessibility issues, reducing errors from 67 to zero.

### Software Engineer — ETAS / Bosch

Jun 2022 — May 2023 | Automotive software, Germany

Enhanced **ETAS MDA V8**, a WPF-based signal analysis tool used by automotive engineers at major car manufacturers worldwide.

- Implemented signal replacement on diagrams, configuration saving, and individual time shifts — reducing manual work by **~34%**.
- Stabilized the video instrument, resolving desync and freezing issues affecting **17-20%** of use cases.
- Added automated UI test suite, increasing crash-free user rate by **~27%**.
- Refactored legacy code to SonarQube standards, reducing technical debt by **62%**.

### Software Engineer — Citibank

Jul 2021 — Jun 2022

- Developed and integrated 10+ automated reports into a WinForms back-office application for Visa/MasterCard operations — reducing manual Excel work by up to **81%**.
- Implemented quarterly regulatory reporting modules for Central Bank compliance.
- Created fraud-detection reporting modules enhancing visibility into suspicious transactions.
- Refactored legacy SQL stored procedures, improving report generation speed.
- Designed database views excluding sensitive PII for privacy and compliance.

### Software Engineer — Frontdesk24

Jan 2020 — Jul 2021

- Independently designed and implemented API integrations between the SaaS hotel management platform and major OTAs: **Booking.com**, **Expedia**, Channex.io, Bronevik.com, OneTwoTrip, NashTravel.
- Reduced booking processing time from **2+ minutes to 1-2 seconds**.
- Fixed memory leaks and critical backend issues, removing the need for weekly service restarts.
- Built and maintained core features of the cloud hotel management system (SaaS).

*Litmos, ETAS/Bosch, and Citibank positions through EPAM Systems (Jul 2021 — Present).*

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## EDUCATION

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**Master of Science — Software Engineering** Southern Federal University | 2015 — 2017

**Bachelor of Science — Computer Science** Southern Federal University | 2012 — 2015

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## CERTIFICATIONS

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- Microsoft Certified: Azure Fundamentals (AZ-900)
  - Asynchronous Programming in C#
  - Building in Azure AI Foundry
  - Build AI Assistants with Azure AI Foundry
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## TECHNICAL SKILLS

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**Languages & Frameworks:** C#, .NET Core / .NET 7, .NET Framework, ASP.NET Core, ASP.NET MVC, Entity Framework Core, WPF, WinForms, Windows Services

**Cloud & Infrastructure:** Microsoft Azure, Azure Service Bus, Docker, Terraform, Jenkins

**Databases:** MS SQL Server, T-SQL, Database Design, Query Optimization, Stored Procedures

**APIs & Integrations:** REST, SOAP, WCF, GraphQL, JWT

**Architecture:** Microservices, Event-Driven Architecture

**Testing:** xUnit, NUnit, Moq, Selenium, SonarQube

**Practices:** CI/CD, Performance Optimization, Git