

Dmitrijs Taranenکو

Lead .NET Engineer / Cloud Architect | Distributed Systems | AWS | AI-Augmented Engineering

15+ years building enterprise SaaS platforms across FinTech, EdTech, healthcare and manufacturing

Spain / Latvia | EU Citizen

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Professional Summary

Hands-on Lead and Principal-level .NET Engineer with 15+ years of experience designing, building and modernizing enterprise SaaS platforms across FinTech, EdTech, healthcare and manufacturing.

Deep expertise in C#/.NET, AWS, distributed systems, microservices, Kubernetes and PostgreSQL, with hands-on ownership across architecture, backend development, cloud infrastructure, performance, reliability and production delivery.

Built production systems serving tens of thousands of users and large transactional workloads, including platforms used by Fortune 500 organizations. Experienced in AI-augmented engineering, integrating coding agents into structured production workflows for multi-repository research, implementation, testing, debugging and code review.

Core Expertise

Architecture & Backend: C#, .NET, ASP.NET Core, Web API, Distributed Systems, Microservices, REST, gRPC, Entity Framework, Dapper, SignalR

Cloud & Infrastructure: AWS, Azure, Kubernetes, Docker, Helm, Serverless Architecture, CI/CD

AWS Services: Lambda, DynamoDB, SQS, Cognito, IAM, S3

Data: PostgreSQL, SQL Server, MySQL, MongoDB, Redis, DynamoDB

DevOps & Observability: Harness, GitHub Actions, Azure DevOps, Travis CI, Datadog, Splunk, Git

Frontend: TypeScript, React, Angular, JavaScript, Zustand

Security & Enterprise: SOC 2, Penetration Testing, Secure Coding Practices, PingFederate / SSO

AI-Augmented Engineering: Claude Code, GitHub Copilot, ChatGPT, Cursor • Agentic Development Workflows
• Multi-Repository Code Analysis • AI-Assisted Code Review & Debugging • Automated Testing & Verification • MCP Integration

Professional Experience

Senior / Lead .NET Engineer

Entrypoint | May 2013 – Present

Progressed from Full-Stack Developer to Senior/Lead Engineer, taking ownership of architecture, technical delivery and production improvements.

Through Entrypoint, worked as an embedded senior engineer within long-term client product teams, contributing to architecture, implementation, performance and production delivery.

Lead architecture and engineering initiatives for enterprise SaaS platforms across financial services, education, healthcare and manufacturing.

- Designed and evolved distributed enterprise applications using .NET, AWS, Azure, Kubernetes and microservice architectures.
- Led backend and full-stack development, system architecture, cloud infrastructure, DevOps and production delivery.
- Designed integrations spanning REST, gRPC, messaging, identity, databases and third-party enterprise services.
- Optimized application performance, database workloads, cloud infrastructure and deployment processes.
- Supported engineering quality through architecture guidance, code reviews, testing practices and technical mentoring.
- Introduced AI-assisted and agentic development workflows into day-to-day software engineering.

AI-Augmented Engineering

Integrated AI coding agents into production engineering workflows beyond code generation, using them as part of structured research, implementation and verification processes.

- Developed AI-assisted workflows spanning codebase research, implementation planning, development, automated testing, code review and documentation.
- Used AI agents for multi-repository architecture and call-flow analysis to identify integration points and investigate complex transactions, data-integrity and concurrency issues.
- Applied test-driven AI workflows to iteratively implement and verify production changes against large automated test suites.
- Built repeatable AI-assisted PR review workflows covering review-thread analysis, implementation, build/test verification and documentation updates.

Selected Projects

LoanBoss

Commercial Real Estate Portfolio Management Platform

Worked as an embedded senior engineer within the client product team on an enterprise FinTech platform built around a distributed AWS architecture with more than 40 microservices.

Technology: .NET, C#, AWS, React, TypeScript, PostgreSQL, DynamoDB, Redis, Docker, Kubernetes, Harness, GitHub Actions, Datadog

- Designed and developed components of a distributed platform comprising 40+ AWS-based microservices.
- Supported a production domain containing 120,000+ loans and 40,000+ commercial real estate transactions.
- Contributed to an approximately 10% reduction in AWS costs through application, infrastructure, database, caching, sizing and concurrency improvements.
- Helped reduce deployment time from approximately one hour to approximately 30 minutes.
- Reduced selected production request times from 2–4 seconds to approximately 90–200 ms through application, database, caching and concurrency improvements.
- Worked across multiple interconnected .NET services, BFFs, databases and integration layers.

- Implemented and maintained distributed application flows involving feature flags, migrations, gRPC services and legacy-system integration.
- Used AI-assisted multi-repository research to trace complex application flows and identify precise integration points before implementation.
- Used research-first AI-assisted debugging to uncover transaction, data-integrity and concurrency defects.

[ThinkingMaps](#)

Enterprise Learning Management Platform

Worked as an embedded senior engineer within the client team, helping modernize an established EdTech platform and design a new system using .NET, Azure, Angular, TypeScript, SignalR and PostgreSQL.

- Designed architecture supporting 70,000+ users and approximately 10,000 daily logins.
- Delivered real-time functionality using SignalR and scalable backend services.
- Supported annual SOC 2 audits, penetration testing and enterprise secure-development practices.
- Replaced a third-party LMS, saving approximately \$40,000 annually.
- Helped deliver a new website and purchasing flow that contributed to approximately 35% higher online conversion.

[VideoNitch](#)

Secure Enterprise Video Platform

- Developed a secure enterprise video and collaboration platform used by Fortune 500 and large enterprise organizations.
- Developed a secure enterprise platform supporting 40,000+ users and approximately 7,000 daily logins.
- Implemented real-time video conferencing functionality.
- Worked with enterprise authentication and SSO using Ping Identity.
- Supported SCORM-based content integration.
- Worked with FFmpeg-based video processing and Splunk-based monitoring and analytics.

Additional Project Experience

SwimWays (discontinued) — Developed a geolocation-based product search solution with Google Maps integration.

[Groupeasy](#) — Built real-time collaboration functionality including chat, file sharing and image sharing.

HappyPath (discontinued) — Developed an early native Android client integrating with Basecamp through its REST API.

[SimpleBlast](#) — Developed a mobile client for a pre-recorded voicemail messaging service.

[Workplace Options](#) — Worked on an enterprise absence-management platform with SSRS reporting.

Education

Bachelor of Computer Science | Daugavpils University | 2010–2014

Certifications

- Microsoft Certified Professional
- [IBM Cybersecurity Analyst](#)
- [Google Project Management](#)
- [Meta Front-End Developer](#)

Languages

English — Professional working proficiency

Latvian — Professional working proficiency

Russian — Native or bilingual proficiency