

DMITRY FISENKO

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Experience

OCTOBER 2021 - PRESENT

Software Engineer / Amazon Web Services

- Modernized multiple internal platforms by migrating full stacks to TypeScript and upgrading legacy frameworks, enabling CI/CD pipelines and a modular architecture. Automated data integrations, delivered single-source data exports, improved performance by over 30x, and mentored junior engineers while leading a successful release recognized in organizational reviews.
- Re-architected the integration test framework, reducing execution time by ~21x. Improved CI/CD feedback loops, added custom reporting, and enabled developers to run full test suites locally with minimal overhead.
- Delivered a zero-downtime migration from a legacy single-AZ database to a multi-AZ architecture, resolving compliance gaps, strengthening disaster recovery, and ensuring long-term performance and supportability.
- Redesigned authentication for internal engineering tools—adopted across multiple teams and proven in production for critical applications—cutting backend invocations by 5–12x, boosting page-load speed, and standardizing security.
- Implemented a feature-flag architecture enabling continuous merges, runtime toggling, and safe pre-production releases without redeployments. This enabled faster delivery of new changes to production, eliminated months-long delays in the pipeline, reduced operational risk, and supported strategic phased rollouts.
- Led cross-system integration between internal planning tools, eliminating manual changes for over 1,200 technical documents. Designed new flows and automations that saved over 224 hours for program managers and engineering teams.

Technologies: JavaScript, TypeScript, Python, PostgreSQL, React, AWS

OCTOBER 2019 - OCTOBER 2021

Lead Software Engineer / Lucera Financial Infrastructures

- Designed and implemented the architecture of service for a trading system using Spring WebFlux and Spring Web MVC.
- Designed and implemented the micro service architecture for an internal user management system, an application for trading [options](#) using Spring Web MVC.
- Supported and developed a high performance, garbage-free, multithreaded, redistributable library to communicate with a trading backend to deliver market data and proceed with orders.

Technologies: Java, Spring WebFlux/Web MVC, Micronaut, MongoDB, PostgreSQL, React, JavaScript, TypeScript

MARCH 2016 – OCTOBER 2019

Lead Software Engineer / EPAM Systems

- Designed and proposed architectural solutions for the current client.
- Designed and implemented the architecture of single page application (SPA) to create widget-based dynamic forms on the client-side by using Angular.
- Implemented a .NET console application to import data from data extracts by fully rewriting previously used SQL Server Integration Services (SSIS) Package approach by using simpler, fully unit tests covered, easily maintainable code.
- Implemented a single page application (SPA) by using Vue.js, and ASP.NET Core (API, SignalR) to simplify real-time collaborations during SCRUM retrospectives across multiple teams from different locations.
- Implemented a .NET console application to run and orchestrate integration unit tests execution across multiple cloud server instances to optimize execution time.

- Implemented a desktop application to work with legacy source code defined in resource files to help team members easily edit, and update the source code.

Technologies: C#, ASP.NET Core, SQL Server, Angular, Vue.js, JavaScript, TypeScript

FEBRUARY 2015 – MARCH 2016

Lead Software Engineer / ROKO Labs

- Led implementation of a few projects of single page application (SPA) projects, based on ASP.NET Web API on the backend side and Knockout/AngularJS on the client-side.
- Optimized the client-side of single page application (SPA) by rewriting the existing code by using reusable Knockout components.
- Designed and implemented an application to dial into a company's telephone directory to get employee's phone numbers by using voice recognition.

Technologies: C#, ASP.NET Web API, WinForms, SQL Server, Knockout, AngularJS, JavaScript, TypeScript

SEPTEMBER 2007 – FEBRUARY 2015

Lead Software Engineer / EPAM Systems

- Responsible for project delivery and production support on a small account of 8 team members.
- Led implementation of the transition of critical legacy part of an application to modern web-based architectures.
- Designed and implemented the core of client and server-side code for building, configuring, and displaying complex filters.
- Developed high-performant search service based on Open Data Protocol (OData) to search items stored in the FAST Search backend.
- Developed data import services to import, and transform big amounts of data into different formats.
- Implemented a unified module for synchronizing multimedia data between devices based on Windows Mobile, Symbian(S60), Nokia Series 40, and desktop applications on Windows.

Technologies: C/C++, C#, ASP.NET, WinForms, SQL Server, JavaScript, TypeScript

JUNE 2006 – SEPTEMBER 2007

Software Engineer / Solpro

- Increased performance of the internal quality control system by more than 30% by using the latest ASP.NET Framework and getting rid of obsolete not optimal code.
- Have redesigned the user interface of the internal quality control system to help employees working with the system by replacing and optimizing user interface components.

Technologies: C#, ASP.NET, WinForms, SQL Server, JavaScript

Education

JUNE 2008

Master of Science in Computer Information Systems / Saratov State Technical University

The graduation course work was implementing a unified PC-to-device synchronizing multimedia data module. Result represented a complex PC-to-device syncing software with on-the-fly media format conversion for your cell phone or external hard drive.