DMITRY FISENKO

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Summary

Senior Software Engineer with 15+ years of experience designing and scaling enterprise-grade systems across finance and cloud infrastructure. Proven expertise in full-stack development, distributed systems, CI/CD optimization, and architectural modernization. Strong background in TypeScript, Java, AWS, and system performance engineering.

Experience

OCTOBER 2021 - PRESENT
Software Engineer / Amazon Web Services

- Re-architected the integration test framework, reducing execution time by ~21×, improving developer feedback loops and enabling efficient local test runs.
- Modernized legacy internal platforms by migrating to a TypeScript-based modular architecture with CI/CD automation and performance optimizations (30× faster).
- Led integration of internal planning tools, eliminating manual edits for 1,200+ technical documents and saving over 224 hours for engineering and program teams.
- Delivered zero-downtime migration from a legacy single-AZ database to a multi-AZ PostgreSQL setup, closing compliance gaps and boosting disaster recovery.
- Redesigned internal authentication mechanisms adopted across multiple teams; reduced backend calls by 5–12× and enhanced system security and speed.
- Built a feature-flag architecture enabling safe pre-production testing and continuous delivery without redeployment; significantly reduced months-long delays in the pipeline.

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

OCTOBER 2019 - OCTOBER 2021
Lead Software Engineer / Lucera Financial Infrastructures

- Engineered a high-performance, garbage-free, multi-threaded Java library for real-time trading communication.
- Designed and developed services for a trading platform using Spring WebFlux and Spring MVC.
- Built microservice architecture for user management and options trading systems with Spring stack.

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

MARCH 2016 – OCTOBER 2019
Lead Software Engineer / EPAM Systems

- Proposed and implemented architectural solutions for dynamic form-based SPA using Angular.
- Rewrote SSIS-based data import into a maintainable .NET console application with full unit test coverage.
- Developed a collaborative real-time retrospective tool using Vue.js and ASP.NET Core with SignalR.
- Built a distributed test orchestration tool for cloud-based environments to reduce test execution time.

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

FEBRUARY 2015 – MARCH 2016
Lead Software Engineer / ROKO Labs

- Led frontend/backend implementation of multiple SPA projects with ASP.NET Web API and Knockout/AngularJS.
- Refactored large codebases into modular Knockout components to improve reuse and maintainability.
- Built a voice-driven internal phone directory using speech recognition technologies.

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

SEPTEMBER 2007 – FEBRUARY 2015
Lead Software Engineer / EPAM Systems

- Led migration of critical legacy components to web-based architecture with modern UI frameworks.
- Engineered advanced search using OData for FAST Search backend with custom filters and aggregations.
- Designed and implemented the core of client and server-side code for building, configuring, and displaying complex filters.
- Built synchronization modules for multimedia content across mobile platforms (Windows Mobile, Symbian(S60), Nokia Series 40) and desktop apps.
- Responsible for project delivery and production support on a small account of 8 team members.

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

JUNE 2006 – SEPTEMBER 2007
Software Engineer / Solpro

- Improved internal QA system performance by 30% by eliminating legacy code and optimizing workflows.
- Redesigned UI for improved usability and efficiency using updated ASP.NET and WinForms components.

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

Education

JUNE 2008
Master of Science in Computer Information Systems / Saratov State Technical University

Developed a multimedia sync solution supporting PC-to-device (mobile, external drives) transfers with real-time format conversion.