# Vitaly Kvashin

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## Experience

**EPAM Systems**  
*Senior Software Engineer*

Yerevan, Armenia  
02 May 2022 - 10 Jun 2024

- Contributed to the development of the alternative investment platform iLEVEL within an international, distributed team for S&P Global, one of the largest financial services providers.

- Stabilized and enhanced a legacy Publishing Service hosted on IIS, enabling clients to generate PDF reports with financial data displayed in charts and grids, sourced from FE reports or Excel worksheets.

- Enhanced a financial data export service hosted in AWS, fixing CI/CD processes and improving integration with third-party libraries. Introduced a multithreaded feature for data export with grouping.

- Developed Cake scripts to automate local deployment of services on Docker and IIS.

- Led the migration of backend services to modern technologies, upgrading microservices from .NET Core to .NET 6 and transitioning outdated third-party libraries to supported, latest versions.

- Remediated XSS vulnerabilities identified in vendor reports, ensuring secure and compliant applications.

- Analyzed and optimized UI performance issues, resolving browser crashes caused by out-of-memory (OOM) errors when loading large datasets by enhancing the entity graph caching strategy.

- Mentored junior developers, facilitated meetings as Scrum Master, contributed to demo sessions, and managed roadmap creation in Azure DevOps.

**Sberbank-Technology**  
*Senior Software Developer*

Moscow, Russia  
Feb 2022 - Apr 2022

- Contributed to the design and development of a helpdesk platform that streamlined internal processes using BPMN.

- Performed bug fixes and integrated third-party systems.

**MTS Digital**  
*Senior Software Developer*

Moscow, Russia  
Mar 2020 - Jun 2021

- Contributed to the development of an Observability Platform, a SaaS technology solution that ensures the observability of the MTS product ecosystem. This platform leverages OpenTracing, ELK and Matomo to collect and analyze logs, metrics, distributed traces, and web analytics.

- Led the development and support of the project throughout all stages of the software development life cycle, from the MVP to a Full-Scale Product.

- Designed and implemented LDAP authorization and Single Sign-On solutions.

- Facilitated the integration of new Java consumers by optimizing and stabilizing Maven packages.

- Developed a .NET Core service that provides an API for gathering metrics and analyzing relationships between products.

- Resolved critical incidents during production-like deployments and facilitated retrospectives.

- Participated in bandwidth optimization and resource estimation for 2021.

*Software Developer*

Moscow, Russia  
Sep 2018 - Mar 2020

- Contributed to the development of CentralLogging, a centralized logging and tracing system, wich involved adding multithreading for data stream processing and performing load tests to ensure effective multitenancy support.

- Developed the methodology and conducted load testing for the MVP of the Observability platform, presenting at the internal "Demo Day" conference attended by over 250 people.

- Developed a prototype microservice for compatibility with the legacy CentralLogging system, which was a key component in the R&D phase of the Observability Platform.

- Configured CI/CD for the Observability Platform using Ansible technologies in a Kubernetes environment from scratch using TFS.

- Designed architectural solutions including data encryption, consumer connection tutorials, monitoring and deployment strategies in Kubernetes and Docker.

**IKVA LLC**                                                                                                                    Moscow, Russia
*Software Developer*                                                                                                        Jul 2014 - Sep 2018

- Developed a WPF desktop application for a management console, enabling remote and centralized operations for setting up, commissioning, and maintaining the traffic enforcement system.

- Enhanced the Zabbix monitoring system by developing utilities, data collection scripts, and operational statistics for both software and hardware performance.

- Developed an application for software provisioning, configuration management, and application deployment.

- Contributed to the development of the system core, enhancing existing and creating new computer vision algorithms, as well as developing various utilities for analysis, data collection, and testing.

- Developed a high-load multi-threaded system for processing and transmitting data using various protocols, including SOAP and ProtoBuf.

## EDUCATION

**Lomonosov Moscow State University (MSU)**                                                                Moscow, RU
Master of Science, Applied Mathematics and Computer Science                                     Sep 2011 - Jun 2015

## SKILLS

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|---|---|
| Programming languages: | C#, Java, Python, Javascript, Typescript |
| Technologies: | .NET, ASP.NET, React, WEB API, WPF, WCF, Ansible, OpenTracing |
| Clouds: | AWS (EC2, ECS, S3, CloudFront, SQS, SNS) |
| Platforms: | Docker, Kubernetes, IIS |
| Tools: | Azure DevOps, TFS, Jira, Jenkins, Figma, Confluence |
| Tools: | Kibana, Grafana, Jaeger, Splunk, Wireshark, Postman, Fiddler, SoapUI |
| Databases: | MS SQL Server, Oracle, PostgreSQL, MySQL, ElasticSearch, Redis |
| Message brokers: | RabbitMQ, Apache Kafka |
| Methodologies: | Agile (Scrum, Kanban), Waterfall |
| Personal: | Problem solving, adaptability, teamwork, critical thinking, conflict management |

## PROJECTS

**ConcertBuddy** *C#, .NET, Docker, API integration*                     https://github.com/skuill/ConcertBuddy
A Telegram bot that will be an excellent buddy at a music concert. Will provide information on the artist, setlist, songs and lyrics.

**LyricsScraperNET** *C#, .NET, API/WEB scraping, Nuget*              https://github.com/skuill/LyricsScraperNET
Library to search for lyrics of a song from the web.

## INTERESTS

Cycling, bikepacking, hiking, play bass and ukulele, read fantasy books, participation in open source projects.