Vitaly Kvashin

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Summary

I have been developing software for 9 years already. After graduating in computer science from Moscow State University, I worked as a developer in a small startup specializing in computer vision for about 4 years. Then I grew up to Senior NET Developer at the largest telecom operator in Russia - MTS, where I worked on a project, that allow developers and businesses to monitor and troubleshoot interactions between complex distributed systems. Almost two years ago I moved to Armenia and work at EPAM, where I am developing an alternative financial platform for one of the large clients in a distributed team, where I continue to grow and improve my skills and knowledge at the international level. I enjoy solving complex problems and helping other developers and customers create quality products. I have deep experience at all stages of the software development life cycle. I am mostly interested in projects and tasks related to process automation and increasing system observability. But I am open to any suggestions.

Skills:
Programming Languages: Main – C#. Secondary - Java, Python, TypeScript
Technologies and Frameworks: .NET, .NET Core, .NET Framework, ASP.NET, WEB API, Microservices, Docker, Kubernetes, Windows Services, WPF, Windows Forms, WCF, nUnit, xUnit, MSTEst, Ansible
Tools: Jira, Confluence, Jenkins, TFS, Kibana, Grafana, Jaeger, Wireshark, Postman, Fiddler, SoapUI
Operating Systems: Windows, Linux
Databases: MS SQL Server, Oracle, PostgreSQL, MySQL, ElasticSearch
Message brokers: RabbitMQ, Apache Kafka
Version Control Systems: Git, Team Foundation (TFVC), TortoiseGit, Mercurial
IDEs: Visual Studio with Resharper, Visual Studio Code, Eclipse, NetBeans
Web/Application Servers: IIS
Methodologies: Agile (Scrum, Kanban)
Personal: Ability to work independently, Negotiation skills, Problem solving, Goal-oriented, Critical thinking, Teamwork, Fast learning ability, Product oriented

Experience

Senior Software Engineer
EPAM Systems
May 2022 - Present (2 years 1 month)
Development of an alternative investment platform.

Team: Distributed team with 100+ developers.
Close collaboration team:
- 7 Developers (2 BE, 3 FE, 2 interns),
- 4 QA (1 manual, 3 automation),
- 1 BA (PO)

Technologies: C#/NET, ASP NET Core, WebApi, Entity Framework, EF Core, PostgreSQL, MSSQL, RabbitMQ, Redis, Consul, Docker, IIS, Swagger, JavaScript, React, Redux, TypeScript, Open Telemetry.

Responsibilities
- Fixing bugs and improving the Publishing Service (IIS, microservices), which allows clients to build reports in PDF format based on data from Excel files. Working with third-party libraries, communicating with support.
- Improvement of the service for exporting data to Excel tables.
- Exploring and writing documentation on wiki (confluence, figma) on system architecture, debugging methods and troubleshooting.
- Writing cake scripts for automatic local deployment of services.
- Migrated the services to the up-to-date technologies (newer .NET versions, migration from old third-party libraries to supported new ones).
- Fixing XSS vulnerabilities based on vendor reports.
- Analysis and optimization of UI performance bugs. Localizing problems using different tools like OpenTelemetry (Splunk, Jaeger) in FE and BE area. Roadmap creation and implementation.
- Creating dashboards in Splunk for the Support team.
- Running meetings as a scrum master, participation in demo sessions.

Senior Software Developer
SberTech
Feb 2022 - Apr 2022 (3 months)
Improvement and maintenance of automated systems for internal processes and integrate third-party software .

Team: 3 Backend Developers, 1 Frontend Developer, 1 Analytic, 2 Testers, 1 Team Lead, 1 Project Manager, 1 Product Owner

Technologies: C#, .NET, MS SQL, PostgreSQL, ASP.NET, Web API, IIS, BPMN.

Responsibilities and achievements:
- Design and development of automation systems for internal processes.
- Bug fixes, integration with third-party systems.
- Active participation in the development of the company's products.
- Mentoring and knowledge transfer within the development team.

mtsdigital Senior Software Developer
MTS Digital
Jun 2020 - Jun 2021 (1 year 1 month)
Development of ObservabilityPlatform - a technological platform that ensures observability of the ecosystem of MTS products. The platform collects and analyzes logs, metrics, distributed traces and web analytics.

Team: 7 Developers, 1 Project Manager, 1 Product Owner.

Technologies: c #, .net core, kubernetes, jaeger, elasticsearch, kibana, prometheus, grafana, apache kafka, nginx.

Responsibilities and achievements:
- Development and support of the project at all stages of the software development life cycle
- Designed and implemented LDAP authorization and Single Sign-on
- Provided the connection of new JAVA consumers by stabilizing maven packages
- Created a Net core service that provides an API for collecting metrics and calculating links between products.
- Participated in building CI / CD for a platform based on ansible technologies in the kubernetes environment. Built a pipeline using TFS.
- Solved emergency situations on PROD-like deployments, led retrospectives.
- Mentoring and knowledge transfer within the development and support team
- Supported new consumers onboarding
- Participated in bandwidth optimization and resource calculation for 2021
- Led SCRUM as a facilitator

Software Developer
MTS IT
Sep 2018 - Mar 2020 (1 year 7 months)
Development of internal systems:

1) CentralLogging is a tracing and centralized logging system:
- Writing procedures and database queries: PostgreSQL, Oracle / PLSQL
- Improvement of desktop application (WPF, C#)
- Implementation and load testing of multitenancy
- Adding multithreading for processing data streams (RabbitMQ, C#, Windows service, multithreading)

2) KPI Rules is a system for calculating and centralized collection of KPI (Key Performance Indicators):
- Refinement of the CI / CD platform (ansible, TFS, windows services)
- Preparation of documentation for transition the system to its final production environment.
- Led SCRUM as a facilitator.

3) ObservabilityPlatform - a technological platform that ensures observability of the MTS product ecosystem. The platform collects and analyzes logs, metrics, distributed traces and web analytics. (kubernetes, elasticsearch, kibana, prometheus, grafana, jaeger, apache kafka, .net core)
- Developed a methodology and performed load testing of the platform. Made a presentation at the internal conference "Demo Day" (250+ people).
- Implemented a prototype service for compatibility with the CentralLogging system (.net core, docker). The main element of the RND phase of the Observability Platform
- Built CI/CD platforms based on ansible technologies in the kubernetes environment from scratch
- Development of architectural solutions: encryption of transmitted data, a tutorial for connecting consumers to the platform, monitoring and deployment in kubernetes and docker.
- Mentoring and transferring knowledge within the team
- Provided connection to the platform of consumers.

Team: 5 Developers, 1 Team Lead, 1 Project Manager, 1 Product Owner

Software Developer
IKVA LLC

Jul 2014 - Sep 2018 (4 years 3 months)
Development of the traffic enforcement system:

- Development of a desktop application for the management console for remote and centralized performance of work on setting up, commissioning and maintenance of of video and photo recording systems. (WPF, C#, WCF)
- Improvement of Zabbix monitoring system. Writing utilities, data collection scripts and system operation statistics both in terms of software and hardware. (C#, Javascript, MySQL, WinForms)
- Development of an application for software provisioning, configuration management, and application-deployment. (C#, WCF, Windows Services)
- Participation in the development of the system core. Improvement of existing and development of new computer vision algorithms, creation of various utilities for analysis and data collection, testing. (C++, C#, Python, WinForms, WPF, ADO.NET)
- Availability of administration skills: Zabbix monitoring system, mercurial version control system, mail server, internal network.
- Development of a highly loaded multi-threaded system for processing and transmitting data using various protocols. (SOAP, ProtoBuf, PostgreSQL, MySQL, Sockets)

Team: 4 Developers, 1 Team Lead, 1 Project Manager

Education

Lomonosov Moscow State University (MSU)
Specialist, Applied mathematics and computer science
2011 - 2015

Skills

C# • Docker • Ansible • Kubernetes • ElasticSearch • .NET Framework • PostgreSQL • RabbitMQ • Apache Kafka • ELK