

# Vytautas Vaičys

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## Work experience

### Senior software engineer

**2017-09 - Present** *EPAM Systems, Zürich*

- Starting out work on financial systems in the banking sector.
- Developing desktop .NET applications for funds transfer pricing (FTP) curves.

### Senior software engineer

**2014-03 - 2017-08** *Adform, Vilnius*

- Lead a team working on a wide variety of solutions that made up Adform's digital online advertising platform. Focused on demand side platform (DSP), programmatic buying and programmatic rich media.
- Mostly worked on .NET API services and SPA JavaScript applications. Dealt with growth and scalability pains, unraveled microservice integration and dependency problems.
- Represented our business group as solution architect; helped our developers and our company deliver cross-domain solutions as well as supported our architecture office in reaching common company architecture goals.
- Worked in team leader role in a SCRUM development team. Identified and brought out the best in people. Coordinated and optimized team performance, commitments, technical goals and communication within business unit.

### Senior software engineer

**2012-05 - 2014-03** *MarkMonitor, Vilnius*

- Developed solutions of various sizes providing anti-piracy and intellectual property protection services to clients.
- Gained experience in large data set collection and processing working with SQL Server databases, high scale web crawling for data collection and preliminary analysis, automated machine data verification for reducing required human workload and input.
- Worked on a diverse set of systems and problems, concentrating on ASP.NET application and WCF service development.

### Software developer

**2007-09 - 2012-05** *UVS, Vilnius*

- Was the main developer of a large Windows point of sales system code base developed on .NET platform, specialized for use in gas stations.
- Worked on a wide variety of interesting and technically challenging problems, ranging from video

surveillance system integrations to outdoor payment terminal control or integration software implementations. Worked on performance, stability and reliability enhancements in multiple applications.

- Gained a unique perspective on SQL Server usage scenarios in hostile deployment environments. Worked through quite a lot of interesting performance, reliability and availability scenarios, most of them resulting in some architectural improvements and changes in the related applications.
- Single handedly stabilized the chaotic software life cycle, introduced release planning, versioning, database versioning, build automation, issue tracking and other recommended software development practices. Migrated the entire team to a modern distributed version control system.

## **Software developer**

**2002 - 2007-09**      ***Unitechna, Kaunas***

- Created automated fuel pump control software which allows companies to manage local gas station operations and fuel tanks.
- Created software for local dealer card management in gas stations. Main features included automated data import from point of sales systems, credit card management, discount management, centralized data transfer, sales data management and invoices generation with data export and automated report mailing service as well as integration capabilities with accounting programs.
- Created document and information management software which enables automated data gathering, calculation and reporting for fuel pump calibration data services.
- Was responsible for administering local IT operations ranging from desktop support to server administration, created and maintained various company internet web sites, email infrastructure, software licensing and other activities.

## **Experience and skills**

### **Professional experience**

- C# development on Microsoft Windows platform since .NET 1.0.
- REST API, WCF services and windows services development.
- Web (ASP.NET MVC) and desktop (WinForms) application development.
- SQL Server database development, profiling and optimization.
- Application instrumentation, metrics and alerting using Graphite/Grafana.
- Centralized application logging using ELK stack.
- High availability and load balancing using HAProxy.
- Continuous integration using TeamCity and TFS, automated deployments.
- Multiple years of experience developing multi-threaded applications.
- Agile software development using SCRUM.
- Test driven development, unit/integration/UI testing, mocking.

## **Expert level knowledge**

- Profound knowledge of the general PC platform.
- Extensive knowledge of Microsoft operating systems and solutions.
- In-depth expertise using most modern source control systems (Git, TFS, SVN, Mercurial).
- Intermediate level knowledge of TCP/IP networks and most common protocols.

## **Other experience**

- Limited experiencing developing single page JavaScript applications using TypeScript, React/Redux frameworks.
- Working level knowledge of many database systems (PostgreSQL, MySQL, SQLite, MS Access).
- Basic knowledge of ORM frameworks (Entity Framework, EF Core, NHibernate).
- Limited C/C++, VB/VBA and PHP experience.
- Hobby experience for Python stack; in the 95th percentile of users on ProjectEuler.net, hacking away with Python for fun.
- Basic experience of public cloud and other virtualisation solutions (AWS, Azure, App Engine).
- Working level experience in Windows/Linux based server environments running web, email, file/print, dns and active directory services.
- Basic experience developing web applications on open web stacks (using python, node.js, Heroku, Mongo, mono and .NET Core).

## **Languages**

- Lithuanian - native.
- English - excellent.
- Russian - satisfactory verbal skills.

## **Education**

### **Master's diploma in informatics engineering**

*2004 - 2006 Kaunas University of Technology*

### **Bachelor's diploma in programming technologies**

*2000 - 2004 Kaunas University of Technology*

## Certifications and exams

- Microsoft Specialist: Programming in C#, Microsoft, 2017
- Certified ScrumMaster, Scrum Alliance, 2016.
- Public speaking course (3 days). OVC Consulting, 2016.
- Kanban Applied Accredited. Agile Lietuva, 2013.
- Microsoft .NET Framework - Application Development Foundation, Microsoft, 2010.
- Developing XML web services and server components with Microsoft Visual Basic.NET and the Microsoft .NET Framework, Microsoft, 2004.
- Installing, configuring, and administering Microsoft Windows 2000 Server, Microsoft, 2003.

## Latest events attended

- BuildStuff 2016. BuildStuff.It, 2016.
- TestCon, University of Applied Social Sciences, 2016.
- Architecture with Agility, Kevlin Henney. BuildStuff.It, 2016.
- Agile Trainings, Alexey Krivitsky, Adform, 2016.
- PyConLT. Revel Systems, 2016.
- Microsoft Build. Microsoft, 2016.
- Build Stuff 2015. BuildStuff.It, 2015.
- Big Data Strategy 2015. Adform, 2015.
- OWASP AppSecEU 2015. OWASP, 2015.
- Developer conference & UnConference. Adform, 2015.
- High Load Conference. Adform, 2015.
- Build stuff. BuildStuff.It, 2014.
- TechDay. Microsoft Lithuania, 2013.
- Agile Tour Vilnius 2013. Agile Lietuva, 2013.
- Agile programming in practice with coding dojo. Johannes Brodwall, 2012.
- We actually build stuff. Greg Young, 2012.
- Agile Tour Lithuania. Agile Lithuania, 2012.
- TechDay. Microsoft Lithuania, 2011-2012.
- IBM Middleware Day. Capitalize on the Power of an IBM solution. IBM middleware software solutions overview. IBM Lithuania, 2010.