

Pavel Šavara

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Summary

I'm interested in job in software development. I am looking for long-term work with a strong and cooperative team. I solve business and technological problems and take responsibility. I like to learn and to teach new skills. My background is programming and an application architecture. I am very communicative, native Czech and fluent English speaker. I have experience with technical leadership as well as with people management.



Software development

Excellent : .NET C#, TypeScript, SW design, SW Architecture
Good : Java SE, SQL, UML, Python, JavaScript
History : C++, Delphi Pascal, VB, XSLT, CSS, F#, WCF, WPF, PowerBuilder, MFC, Turbo Pascal, Informix 4gl, Asm Z80/286 ...
Other skills : analysis, integration, coordination, project & people management

Education, Qualifications

NCR – Design thinking (2016)
NCR – Leading for success, people management training (2013).
Barcap – Managing people and teams, resourcing, personal impact (2010)
Barcap – Investment banking, lifecycle of the trade, equity derivatives (2009)
Adastra – Chief programmer training (2008)
Adastra – Data warehouse from A to Z (2007)
LBMS – Project management course (2004)
LBMS – Object analysis and UML design course (2004)
Driver's license (1996)
Automation and Engineering High School in Uherské Hradiště (1992 – 1996)

Personal

Date of Birth : 28th June 1978
Address : Nad Popelkou 1988; 150 00 Praha 5, Czech Republic
Interests : programming, books, hiking, cooking
Other : married with three children, non-smoker
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<https://github.com/pavelsavara>
<http://zamboch-a-iva.blogspot.com/> (Family, Czech only)

Career Development

NCR Corporation, Prague (May 2011 – now) POS terminals, ATM machines, self-checkout, software, hardware. http://www.ncr.com/	
Jun 2018 Now	Role: Innovation Labs Engineer Project: Food ordering for KFC Australia via voice and language recognition. I learned about NLP systems. Amazon Alexa with AWS lambda, NodeJs, TypeScript. Facebook messenger chat bot with Google DialogFlow, and snared business logic. We use Serverless framework for deployment automation. I also implemented OAuth2 server for account linking of the consumer account to the chat bots. I helped to organize Design Thinking trainings in Prague office.
Jun 2017 June 2018	Role: Innovation Labs Engineer Projects: “90 day challenge” prototypes and demos , new project each 90 days. I was responsible for architecture, technology selection, project bootstrapping and end-to-end wiring of all components included in the demo. I learned Python and basics of Machine Learning. I created web services in Java, hosted in Docker and OpenShift. I cooperated on web UI in Angular 5 and TypeScript, hosted on .NET Core 2.0 I lead “Future Friday” innovation initiative for Hospitality Prague, team of ~120 professionals.
Mar 2015 May 2017	Role: Software Development Manager Projects: Sodexo WS Integration, DevOps via Chef, CFC, NBO, Insight, QA Implemented WS integrations for major corporate customer, direct interaction with customer. Leading teams to adopt SAFe agile methodology, introducing DevOps culture Co-organizing Future Friday innovation initiative, organizing Hour of Code for kids Technology: MSSQL Always On, ADFS, TLS 1.2 client cert authentication, AWS cloud, Chef I was managing total 22 developers and QE divided into 5 small teams. I was responsible for hiring, appraisals and people development. Designed deployment automation via Chef and defined DevOps/AppOps process. I learned basics of Ruby.
Apr 2014 Mar 2015	Project: CFC – Configuration center for POS – Web services, scalability. Role: Team leader, Senior Developer, Architect, Manager Implemented RESTfull web services for legacy configuration information system. Redesigned and refactored existing product for scalability. Unified web service API with NBO product. Provided SDK for 3 rd parties with detailed documentation and usage samples. Technology: C# 4.5, ServiceStack.NET, REST, MS-SQL Learned about SQL server performance optimization and DMV. Evangelized about new technologies and trends in computer science, influenced others. Contributed to re-invention of hiring process in the Prague office. Gained people management for another team in Prague, managing total 11 developers in 3 teams.

More career history on next pages.

NCR Corporation, Prague (May 2011 – now)

POS terminals, ATM machines, self-checkout, software, hardware.

<http://www.ncr.com/>

<p>Jan 2012 Apr 2014</p>	<p>Project: NBO – Web services, Web Portal. Role: Team leader, Senior Developer, Architect Implemented RESTfull web services for configuration of entities and invoice processing. Implemented new platform for displaying ~300 reports on mobile browser. Integrated core product with 3rd party ERP. Implemented business rules and validation rules, covered with unit tests. Provided SDK for 3rd party with detailed documentation and usage samples. Technology: C# 4.5, ServiceStack.NET, REST, MS-SQL, AngularJS, TypeScript Learned about message oriented WS, REST, fluent syntax and rule engines. Learned lot about design of nice and stable APIs, contract versioning. Gained people management for team in Prague, managing total 8 developers in 2 teams. Successfully trained and handed over the project to 3 new members in Atlanta. Traveled to Sao Paulo and Bahrain to negotiate technical details for new projects.</p>
<p>May 2011 Dec 2011</p>	<p>Product: NBO (MenuLink) – hospitality back office system. Role: Senior Developer Migrated source code from VSS to TFS, introduced Continuous integration with TeamCity. Took over responsibility for HR web services connector. Fixed bugs. Technology: C# 3.0, VB.NET, Winforms, T-SQL, WCF Learned a lot about management of big restaurant chains and US hospitality industry. I was first member of new team in Prague cooperating with team of ~20 members in California.</p>

Barclays Capital, Prague (August 2008 – May 2011)

Global investment bank
<http://www.barcap.com/>

May 2009 May 2011	Project: RSP/NIX – Retail Structured Products – STP issuance workflow http://bmarkets.com/ Role: Application architect/Team lead/AVP I designed application architecture and implemented key components on this greenfield project I implemented connector to pricing engine, instrument static creation engine I implemented connector German exchanges, Clearstream, WMDaten Technology: C# 3.5, WPF, WCF, MSSQL, MQ, TIBCO SmartSockets, WS, XML, ThunderHead, Spring AOP, Unity IoC, TeamCity, NUnit, NHibernate, MVVM, TeamCity, LINQ, Apache POI, Rhino Mocks I brought EDT knowledge to the team Communication heavy role, coordination inside and outside of the international team We run the project with Scrum methodology, I was scrum master for half of the releases We run several parallel work streams in version control branches Hands on all parts of the development cycle, starting with requirements collection from business users, thru development, testing, deployment and 2 nd line support. I learned about business priorities, how to deliver on time with quality. About deployment and testing in integration project. Technology wise, I learned about MVVM pattern, WPF, also Rhino mocks. My English language fluency improved. I was part of team of 10 members, 7 members in London, managed 2 members in Prague
May 2009 Aug 2008	Project: Deal Entry – application for OTC instruments in EDT Role: Senior Programmer/Team lead/AVP Implemented support for EQ, IR swaps, Asian options, Structured products Technology: C# 3.0, Winforms, WebServices, Java, Spring IoC, Maven Connectivity to Excel blotters, Connectivity to downstream systems Analysis directly with traders and middle office Learned a lot about equity derivatives and investment banking I was part of team of 10 members, 5 members in London, managed 2 members in Prague
Free time project	Open source project: jni4net, fast bridge between Java and .NET http://jni4net.com/ Learned JNI and lot about both virtual machines

Adastra, Application development division, Prague (November 2007 – August 2008) Consultancy for software solutions and services. Czech leader in Data Warehousing and Business Intelligence http://www.adastra.cz	
Apr 2008 Jul 2008	Project: One SAP for Telefonica O2 Czech rep. Role: Integration architect I designed SOA architecture connecting SAP to other systems in the company Technology: BEA Service Repository, Tuxedo, WLI, Enterprise Architect for UML I learned about integration patterns
Nov 2007 Mar 2008	Project: FPI for Vodafone Czech rep. Role: Senior programmer I developed fault tolerant, multithreaded task scheduler for processing queries Technology: C#, Oracle, Castle, NUnit, NMock I learned how to use unit tests I learned how to work with dependency injection Introduced Continuous Integration using TeamCity I wrote part of architecture documentation including UML diagrams I did proof of concept migration of the solution to .NET 2.0 I was part of team of six members
Free time projects	Free time open source project: Robocode for .NET http://robocode.sourceforge.net Learned Java SE, Security models for both virtual machines Cube 21 – all best solutions
Radiant Systems, PCS division, Prague (December 2005 – October 2007) Software and hardware for point of sale for filling stations of major petrol companies worldwide RPOS & RSM – software for point of sale, fueling station management, back office integration http://www.radiantsystems.com	
May 2006 Oct 2007	Project: RSM & RPOS Role: Team lead, Project manager, Analyst, part time Programmer I was owner of RSM product Managing work items priorities, assignment, estimates I supervised design documents, review code Negotiating with management about scope and dates for new features Reporting team and project status Leading 15 minutes morning SCRUM meeting with my team everyday I trained new employees about RSM for all teams All written and part of spoken communication is in English I was lead of team of two quality engineers and two developers
Dec 2005 May 2006	Project: RSM & RPOS Role: Programmer, Analyst Technology: C#, C++, COM+, MSSQL, Win CE, DevExpress Fixed defects and implemented new business features Learned SCRUM methodology I was part of team of five members
Free time projects	Free time open source project: nMars http://nMars.sourceforge.net SilverLight 1.1 Alpha experiment http://pavel.savara.web.cz/files/AntAttack.html

A&L Soft, Prague (August 2002 – December 2005) Banking software for Czech and Slovak banks OfficeLine - electronic banking channels: Internet, SMS, IVR, PC client Programming language Flex http://www.alsoft.cz	
Jan 2005 Dec 2005	Project: OfficeLine 3.5 – Optimization Role: Programmer , Architect Technology: C++ , Borland Pascal , Flex 3, Windows I introduced thread-pool and SWMR synchronization guard into Flex 3 virtual machine I redesigned and rewrote special HTTP server from Flex3 to multithreaded C++ and improved throughput of www server forty-times I proposed better locking strategy for our built-in database I was part of team of ten members, in senior position
May 2004 Jan 2005	Project: Analyze and architect new version of OfficeLine 4.0 Role: Architect , Analyst Technology: UML , .NET Regarding to company's know-how, customer needs and technological trends I analyzed, architected, drawn and described proposal for brand-new version of our flagship product I created UML model of components, core and business classes, data model, security model I analyzed potential of .NET platform and reviewed third-party components for that product I was alone on that project and it was postponed because of lack of resources
May 2003 May 2004	Project: Flex 4 - new universal programming language Next version of our own language Flex, which belongs to Ada family Compiled for Win32 with outlook for other platforms Role: Programmer , Analyst, Architect Technology: Flex 4, WIN32 , C and Delphi interoperability, DLL , Apache My task was to design and develop runtime library supporting language features I developed support for exception handling, thread management and thread local storage I also developed full support for synchronization and messages, also gained experiences with interlocked synchronization primitives I developed low fragmentation memory allocator optimized for multi-threading and memory leaks detection I created superior streams implementation and designed date-time library in standard library for Flex As an experiment I developed interface to Apache web server, to use it as PHP like module I was part of team of five members, in senior position
Aug 2002 May 2003	Project: OfficeLine 3.0 – Connectivity, various tasks Role: Programmer , Analyst Technology: Delphi Pascal , Flex 3.0, WIN32 , TCP/IP , HTTP I developed driver for MQ Series connectivity I written simple DOM XML parser I created simple SOAP over HTTP client for Java connectivity I redesigned and developed better connection to TCP/IP stack using WINSOCKS I participated on bug fixing and features implementation I was part of team of ten members
Side projects	I introduced and established version control using Subversion in company New build environment capable cooperate with version control Feasibility study of Mobile Java banking in Erste Bank – UML and docs SmartPhone banking demo using .NET CF

<p>Naxos MacIT, Prague (January 2001 – May 2002) Macintosh partner for Czech Republic Specialized book-keeping software for Macintosh and Windows Part of Naxos Group - auctions, bankruptcy management, tax advisors, etc. http://www.naxos.cz</p>	
<p>Jan 2001 May 2002</p>	<p>Project: Multiplatform C++ framework, Database layer Role: Programmer, Analyst Technology: C++, WIN32, Mac OS X, XML, PostgreSQL, ODBC, MFC I analyzed our business cases and created data model I proposed modular architecture of product I designed and developed object/relational mapping layer I developed PostgreSQL and MySQL connectors and query generators I created global cache of objects with pessimistic locking strategy I wrote code generator / macro language for database layer I also designed frame for business logic processing I participated on multiplatform C++ library for that product I was part of team of five members</p>
<p>IFS, Prague (October 1998 – December 2000) Software for human resources and pay-roll accounting Customers from top 100 of Czech employers http://www.ifs.cz</p>	
<p>Oct 1998 Dec 2000</p>	<p>Project: PersIMS – information system for HR Role: Programmer Technology: Oracle, PowerBuilder 7.0 I wrote reports using SQL and PowerBuilder I fixed bugs, implemented new features and supported customers I was part of team of six members</p>
<p>Side projects</p>	<p>I created GUI extension for Object Cycle version control system in C++ & MFC I also created an automatic night build for PowerBuilder using ORCA library in C++ I wrote simple scripting language for installation or upgrade processing in Delphi</p>
<p>KS-Program, Vsetín (January 1997 – October 1998) Software for pay-roll accounting and human resources http://www.ksprogram.cz</p>	
<p>Jan 1997 Oct 1998</p>	<p>Project: new version of pay-roll accounting and HR IS Role: Programmer Technology: Informix 4GL, Sybase, PowerBuilder 6.0, PFC I created security subsystem and user management I fixed bugs and supported customers I wrote reports using SQL/4GL I was part of team of four members</p>
<p>Side projects</p>	<p>4GL source code pretty print Backup scripts</p>