

Vojtěch Sobota

Curriculum Vitae

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Profile

Passionate software engineer with a master's degree in system programming. Self-learner who's able to pick up new processes and technologies quickly.

Interested in software development of large-scale applications where high performance is essential, in either Unix-like environment or Windows environment.

I would like to gain professional experience in system level programming (programming languages, text processing, compilers, virtual machines). I like the idea of open-source software.

Employment History

Jul 2018— today	Skimlinks 2nd Floor, 52 Beviden Street, London N1 6BL, United Kingdom Software Engineer
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- Jun 2014—
Jun 2018
- Titian Software Ltd.**
2 Newham's Row, London SE1 3UZ, United Kingdom
Software Engineer
March 2017—June 2018; team lead (4 developers, including 2 external ones), approx. a year-long project to implement a product core enhancement, project management. Estimation of required development effort and customer analysis. Conducting technical interviews for software engineer positions.
June 2014—February 2017; part of a team responsible for maintenance of existing installations of the product and creating new releases. Regularly acting as the scrum master and scheduling issues from the backlog for fixing.
Development using C# (MS .NET), PL/SQL, SQL (Oracle), ASP.NET, MVC.
- Oct 2011—
May 2014
- NCR Corporation (former Radiant Systems)**
Anglická 26, 120 00 Prague 2, Czech Republic
Software Engineer
Hospitality POS software enhancement development within the R&D team. Integration of third-party software and payment integrations. Estimation of required development effort. Requested and provided code reviews on daily basis. Development using MS Visual C++, C# (MS .NET). Used TFS and Git for source control, pre-tested commits (unit tests, system tests, remote builds).
- Jan 2010—
Aug 2011
- Imagine Communications Group Ltd.**
Blackthorn Road, Sandyford, Dublin 18, Ireland
Web Applications Developer
Part of a team of programmers developing and maintaining several in-house applications including a WiMAX provisioning platform for broadband and VoIP telephony and a credit control application. Mainly used PHP, Zend Framework, MySQL, jQuery, CSS, Subversion, Apache on Linux. Written a command line tool in C++ for format conversion of monetary transaction spreadsheets.
- Nov 2006—
Apr 2009
- Pears Health Cyber, s.r.o.**
Dělnická 213/12, 170 00 Prague 7, Czech Republic
Web Applications Developer
Participation in development of two major projects—Ordinace.cz and Lékárna.cz. PHP back end programming and SQL relational designing. The teamwork and version control managed by Subversion. Also used PostgreSQL, XSLT, HTML/XHTML, CSS, JavaScript, Apache on Linux.

Jul 2009— Oct 2009	Thermotip, s.r.o. Pod Hájem 97, 267 01 Králův Dvůr, Czech Republic Software Developer Heat exchanger sizing client-server software development and deployment. Used Java, Eclipse RCP, Java RMI, PostgreSQL, Apache on Linux.
Jul 2006— Mar 2009	Freelance website developer and maintainer Development and maintenance of company websites for SECESPOL-CZ, s.r.o. and Thermotip, s.r.o. (PHP, PostgreSQL, HTML/XHTML, CSS, JavaScript).

Achievements

In my *diploma thesis* based on the theory of formal languages I described a deterministic attributed pushdown automaton accepting unordered trees given in prefix notation as well as ways of extending such automaton for subtree matching and for indexing of unordered trees. I'd leveraged results achieved for ordered trees as part of the algorithmic discipline arbology. I received the Dean's Award for an Outstanding Diploma Thesis and participated in the Czech ACM Chapter & Slovakia ACM Chapter Student Project of the Year 2013 contest.

At the faculty I did several semestral works, one of which was an implementation of *a compiler and a virtual machine* for a subset of the Java language according to the JVM specification.

Education

Sep 2011— Jun 2013	Czech Technical University in Prague, Faculty of Information Technology Thákurova 9, 160 00 Prague 6, Czech Republic Master, System Programming, Theoretical Computer Science Leaving examination grade A (distinction). See above for my diploma thesis.
Oct 2006— Jun 2009	Czech Technical University in Prague, Faculty of Electrical Engineering Technická 2, 166 27 Prague 6, Czech Republic Bachelor, Electrical Engineering and Informatics - Computer Science Leaving examination grade B (2:1 honours degree).

Personal Projects

I have written a low-level *PHP framework* vtCompose and released it under the MIT License on my personal website www.voj-tech.net. The framework wraps around the PHP programming API providing more coherent and object oriented API.

My girlfriend runs a charity called Kickstart Kibera which is focused on providing children with an education. I designed the charity logo and developed the charity *website* as well. I've been the website maintainer since.

Language Abilities

Czech	Mother tongue
English	Advanced
German	Intermediate

In 2009 I got the Certificate in Advanced English (CAE) and then lived almost two years in Ireland. Now I've lived nearly four years in London and so I have confidence in both my written and spoken English. It is absolutely vital for me to be able to read and fully understand texts in English related to computing and information technology. Concerning my German I have good reading skills and basic writing and speaking skills.

Interests

- travelling
- learning new programming/software development techniques and technologies
- graphic design, web design, typography, DTP