Juraj Skripsky

Curriculum Vitae

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Personal Details

Date of Birth	January 27th, 1976
Place of Birth	Schlieren ZH, Switzerland
Nationality	Swiss, Slovakian
Family Status	Single, no children

Work Experience

2005– today **CEO and Software Developer**, *HotFeet GmbH.*
Technological transition from PHP + MySql to .NET + db4objects. Development of websites and web applications (C#, and some php). Complete rebuilding of IT infrastructure with focus on quality and security. Installation, configuration and maintenance of multiple linux-based servers (web, mail, ftp, ldap,...). Introduction of various tools (wiki, code versioning system, ticket management system, task tracker).

2002–2004 **Software Developer**, *HotFeet GmbH.*
Development of websites and web applications (php, and the occasional pinch of perl).

2002– today **Open Source Contributor**.
Mono (intimate knowledge of class libraries and runtime): bug fixes, enhancements and major rewrites of important components (Dictionary'2 class, Array.Sort methods, SQL where-clause parser and evaluator, regex matching engine).
NPlot: bug fixes, enhancements.
Typeface-js: bug fixes, enhancements.

2000 April–July **Internship**, *Theissen Security Systems AG*, Sissach, BL.
Analysis of the data flow and storage of a proposed client-server based E-commerce system with regard to security and applicable cryptographic methods and protocols. Development of a GUI prototype for the proposed system (Java).

1998 **Software Developer**, *3C Systems AG*, Urdorf.
Design and development of testing software for a proprietary smart card transfer protocol (C++).

1995 October **Software Developer**, *Ulrich Electronic GmbH*, Gleisdorf, Austria.
Complete rewrite of "PV" for graphical environments (C++, multi-platform).

1993-1996	**Freelance Software Developer**, *Koelliker AG*.
	Design and development of "PV": system for the entry and storage of patient's personal data for hospitals (C++). Development of driver for a proprietary form printer (C++). Development of driver for a smart card reader (C++).
1992-1993	**Freelance Software Developer**, *Industrielle Werke Basel*.
	Development of tool for the analysis of data from a proprietary time management system (C, assembler).
1992	**Freelance Software Developer**, *WARO AG*.
	Development of data conversion tools (C).
1991-1992	**Freelance Software Developer**, *Koelliker AG*.
	Development of multiple small tools (C, assembler).

Education

1996–2002	**Master of Computer Science**, *ETH Zurich*.
	Focus on cryptography, security, and information theory, software architecture and design patterns, the Unix architecture, computer graphics and image analysis.
	Master thesis: *The Gap Between Intrinsic Information and the Secret Key Rate* (http://www.hotfeet.ch/about-us/papers/js/gap-between-intrinsic-info-and-ska.pdf).
	Minor subject: business studies.
2001–2002	**Assistant for Lecture "Informatik III"**, *ETH Zurich*.
	Programming paradigms: functional programming (SML), logical programming (Prolog) and object-oriented programming (Java).

Publications

A New Measure for Conditional Mutual Information and its Properties (Renato Renner, Juraj Skripsky and Stefan Wolf. Presented at the ISIT 2003 in Yokohama, Japan. http://www.hotfeet.ch/about-us/papers/js/rsw03.pdf)

Languages

German, Slovak	**native**
English	**fluent**
French	**basic**

IT Skills

Excellent

C#, Java, C++, C, Assembler
.NET / Mono
object-oriented, functional and logical design and programing

relational, hierarchical and object-oriented database design

XHTML, CSS, JavaScript, jQuery XML, XSLT, XPath, XSL-FO

Linux (since v2.0, Fedora, Debian): System and network administration, shell usage, shell scripting, MySQL, Apache (http), Postfix (smtp) / Dovecot (pop, imap), OpenLDAP, Nagios, ProFTP, Spamassassin (spamfilter), SQLGrey (greylisting spamfilter) CVS, SVN, git

Good

F#, SML, Python, Ruby, Prolog

Basic

Perl, Mercury, LaTeX

Interests and Passions

Literature (mostly english): technical and fictional

Mathematics and physics

Psychology

Theater plays

Jogging, Tennis

Coffee