

Juraj Skripsky

Curriculum Vitae

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Personal Details

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

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 class, Array.Sort methods, SQL where-clause parser and evaluator, regex matching engine).
NPlot: bug fixes, enhancements.
Typeface-js: bug fixes, enhancements.
- 2000 **Internship, Theissen Security Systems AG, Sissach, BL.**
April–July 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, **native**
French **basic**
Slovakian **basic**

IT Skills

Excellent

XML, CSS, JavaScript, jQuery, XML, XSLT, XPath, XSL-FO, LaTeX, LaTeX Beamer, LaTeX Beamer and logical design and programming
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, L^AT_EX

Interests and Passions

Golfing, Tennis

Reading (mostly english): technical and fictional literature