

profile

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Position	Senior Software Developer	C# C++ Go	
Name	Schackmann, Stefan	Munich	
Born	1970	Cologne, Germany	
Nationality	german		
Education	Canterbury University, UK	Master of Computer Science	2003
	TU Braunschweig	Elektronics, unfinished	1995
	School	Abitur	1989
Languages	german	native	
	english, french	fluent	
Web	info@schackmann.net	www.schackmann.net	

Programming languages	c#	since 2002
	c++ and c	since 1992
	go	since 2010
	java, xml, xslt	since 1998
	scripts using bash and dos	since 1995
	python	since 2014
	sql	since 1996
	html/javascript, basic/vb, pascal/delphi/modula, smalltalk, assembler,..	

API's	.NET / ATL / MFC , WPF, WCF	.net framework and core / advanced template lib / microsoft foundation classes, windows presentation forms
	libstdc++, STL, boost	standard gnu/unix ansi c, c++, c++17 lib, contains StandardTemplateLib, a common header-only lib
	libOpenSSL, BouncyCastle, MS Cryptolib	Security Libs
	jfc, j2ee, jdbc, jsp, ejb, jini, rmi, javaCard	different java libs.
	qt	A Cross-Platform Application and UI-Framework
	opcua sdk	Unified Automation OpcUa SDK for C++

Collaboration	Integrated work boards	Microsoft VSTS, Jira
	Communication	Teams, Skype (for business), Slack, Webex
	Teamwork	VNC, VS LiveShare
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IDE's	Microsoft Visual Studio	microsoft windows
	gcc, make, autoconf, automake, libtool, gdb, valgrind	gnu (un*x) commandline environment
	Eclipse, Code	linux and solaris
	NXP Tools	eclipse plugin for javaCard / JCOP development
	Kdevelop, Borland C++Builder	linux, windows
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Concepts	OOP	object orientation
	AOP	aspect orientation
	Design Patterns	creational, behavioral and conceptional patterns, mvvm, mvc, ...
	templates	template (meta) programming
	NN, GA	neural networks and genetic algorithms
	UML	unified modeling language
	agile development	Scrum, extreme programming , rapid prototyping, kanban
	multithreading, multitasking	
	distributed systems, event-driven systems	
	garbage collection	via b-tree traveling (c#) or memory swapping (java)
PKI	private/public key infrastructure, X.509 certificates, RSA and ECDSA keys, CA, RA and LRA	
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Protocols	TCP, UDP	networkprotocols like http smtp snmp and selfdefined
	canBus	can, canOpen
	serial	rs232, sockets
	OPCUA, OPC	Siemens, Unified Automation, Jetter, Langner, Wiesemann & Theis
	SiLA Standard	SiLA Rapid Integration for medical / bioscience laboratory device integration
	CMP, EST, OCSP	Certificate Management Protocol as in RFC 4210, Enrollment over secure transport RFC 7030

Hardware	embedded systems	linux, android, windows and proprieties like Hella asic
	sps	siemens, jetter, adam
	dac/adc	iotech daqbook
	scanner	microscan, cognex, pepperl & fuchs
	elektronics	maxxon, festo

Tools	git, svn, cvs, SourceSafe, TeamSource	versions control systeme
	doxygen, doc++, javadoc, Visio, dia	documentation generators
	OpenSSL	create/revoke and verify certificates
	Together, Visual Paradigm	uml/code generators
	VSTS, Jira, Bugzilla, Mantis, TestDirector	bug tracking tool

OS	Linux, Solaris, Irix, HP-UX	un*x
	Windows 10, 2012, 7, XP, 2k, NT	microsoft windows
	Android ICS, JB	google's android OS

DB	Oracle, MySql	solaris, windows, linux
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