

CURRICULUM VITAE

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Date of birth	13 August 1987
Nationalities	Chilean, German
GitHub	<https://git.io/vS4CG>
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ICT/IT SKILLS & EXPERIENCE

System administration

Platforms and servers	Debian/-derived Linux, Free/Net/OpenBSD, ircd-hybrid, nginx
Scripting and automation	Ansible, Bourne/Bash/Z shell, BSD rc, systemd, Perl, rsync
Roles and technologies	iptables & pf-based firewalls, IPsec & OpenVPN, LXC & cgroups, ZFS

Programming areas

Languages and tools	Systems & network programming on Linux, *BSD & Windows C, Tcl, BSD & GNU development environments, gdb, Qemu; amd/x86 & MIPS assembler, C++, Lua, Python & WinDbg: some experience
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Project involvement

February 2016-ongoing	midipix_build: build/cross-compilation infrastructure for midipix, a POSIX/Linux-compatible development/runtime environment for Windows <ol style="list-style-type: none">1. Automatically cross-builds ca. 150 packages covering the toolchain, runtime components & 3rd party software.2. Written in reasonably portable Bourne shell, ca. 1500 SLOC, pragmatically modular.3. Flexible & lightweight infrastructure – has proven itself towards maturity over the course of ca. 1 year.
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November 2016-December 2016

Tcl TIP #458: design and implementation of epoll/kqueue support in the Tcl notifier on Linux/*BSD, resp. for Tcl, a high-level, general-purpose, interpreted, dynamic programming language (FlightAware bounty programme)

1. Tcl's original event-based architecture based on select(2) had scalability and code complexity concerns.
2. On Linux/*BSD, epoll/kqueue is now used instead, which eliminates a major bottleneck in event-heavy code.
3. Code complexity was reduced as the code is no longer unnecessarily multi-threaded, without breaking multi-threaded Tcl or C code.

Internships

2003	Sasol Germany, Hamburg
Responsibilities/role	Internal help desk/support on Windows platforms
2002	Compaq Computer Corporation, Hamburg
Responsibilities/role	Corporate customer support on OpenVMS platforms

PERSONAL SKILLS & EXPERIENCE

Languages (CEFR levels given are personal judgments unless specified otherwise)

Paternal language	Spanish (CEFR: C1)
Maternal language	German (CEFR: C1)
1 st foreign language	English (CEFR: C1; at Colón Language Center Hamburg: A)
2 nd foreign language	Classical Arabic, some dialects (CEFR: A2)

Primary/secondary education

Degree(s) attained	Mittlere Reife/MSA, equivalent to GCSE in the UK
Sep. 2015 – Jan. 2017	Deutsche Angestelltenakademie (MSA course)
Aug. 2001 – Feb. 2004	Integrierte Gesamtschule Walddörfer, Hamburg