ANDRES SALOMON

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SKILLS

- Languages: C/C++, Python, Perl, Ruby, PHP, Shell, x86/MIPS/ARM assembly, Make, HTML/CSS, Javascript, SQL, Haskell, Forth.
- Tools: Linux, *BSD, Git, MySQL/PostgreSQL, Docker/Podman, Postfix/Exim, BIND/PowerDNS, Courier/Dovecot, Apache/Nginx, AWS.
- Free software, politics, transportation/climate advocacy, urban planning, and writing.

EXPERIENCE

Debian — Developer   2002 - current
- Maintained numerous Debian packages, including the Linux Kernel and PHP.
- Currently maintaining the Chromium browser, including backporting Clang/LLVM and Rust compilers, issuing security advisories, and sending patches upstream.
- Worked with QLogic and Broadcom's legal depts to release hardware firmware under valid copyright licenses.

One Laptop Per Child — Linux Kernel Engineer   2006-2008, 2010-2012
- Hardware driver development (wifi, flash, touchpad, ARM MMP2 SoC, AMD Geode LX, CS5536 southbridge, OpenFirmware, power management, device tree, & others).
- Maintained OLPC's (.rpm) kernel packages & build scripts.
- Helped with hardware debugging, firmware development, and hardware bringup.
- Upstream kernel driver/patch submission.

Collabora Ltd — Software Research & Development   2009 - 2010
- Wrote low-level cell phone (GSM) stack plugins & daemons, working closely with Nokia and Intel.
- Built tooling to automate building, testing, and installing operating system images.
- Developed plugins for Linux desktop/phone stack (e.g., Telepathy, DBus, glib).

Athena Capital Research — Developer & Senior Systems Administrator 2005 - 2006
- Administered distributed network of Debian and Ubuntu servers and workstations.
- Created custom Debian packages and automated installation images for platform.
- Linux kernel, distributed filesystem (OpenAFS), and network authentication (PAM, NIS, & Kerberos) debugging and development.
- Tutored high-frequency trading developers in Ruby.

Voxel Dot Net / Ubersmith / MerchantPlus — Chief Technology Officer 2001 - 2005
- Day-to-day managerial tasks, process automation, and design/resource decisions.
- Administered Red Hat, Debian, and FreeBSD servers.
- Developed and maintained high-availability (HA) clusters.
- Developed/maintained PHP-based billing/support/payment system (Ubersmith) and associated credit card gateways (Payment Alliance / MerchantPlus).