

ROBERT KIRALY, SOFTWARE DEVELOPER

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BACKGROUND

I was the sole maintainer circa 1981 for software that counted half of the U.S. Vote. I handled the initial design of one of Adobe's network protocols. I've worked with most UNIX platforms, including BSD, Solaris, and Linux. I've created my own Linux distro. I've customized standard distros as well.

I was High Honors and Honors in Math and Computer Science at U.C. Berkeley. I leverage Open Source to reduce costs. My documentation is considered thorough. I've created frameworks from scratch, restructured legacy codebases, handled B2B support, taught ages from 8 to 80, vetted documents for CEOs and Board members, and served in other roles.

SKILLS

Foundation skills: 40 years C, 40 years UNIX, 40 years shell, 25 years Perl, 30 years technical writing, 23 years Linux, 20 years basic webdev.

Additional skills: Bash, Build, B2B Support, C, Containers, DBA, Debian, DevOps, Digital Forensics, Distros, ETL, FOSS, GIMP, HTML, Investment, JavaScript, jQuery, Linux, Lua, LXDM, MariaDB, MySQL, Open Source, Perl, PHP7, Point of Sale (POS), Python, Recruiting, Regex, SaaS, Shell, SQL Server, Ubuntu, UNIX, Tcl/Tk, Teaching, Tech Support, Vagrant, Virtual Agent, VPS, Writing, XML.

TYPICAL PROJECTS

Fighter Jet software: 2004 to 2009. Google for Northrop Grumman MILES Project. I did an SQL database appliance, a hardware simulator, a GUI, and other components.

U.S. Vote: 1981. I was the sole software support engineer for 1/3 of the U.S. Vote. Google for Computer Election Systems BRC. I reported to P.J. Lyon, who you'll find in election software articles.

Restructure processes: 2014. I analyzed software development processes for a \$100M pharmaceutical firm (WHI) and produced 15 pages of recommendations for restructuring within 96 hours after my arrival.

Point of Sale reports: 2016. I created an MS-SQL reports framework from scratch for a restaurant chain using Strawberry Perl and Git for Windows. I rewrote the firm's data loader as a side task.

Linux distro: 1995 to 2018. My own project. I've developed a full-size Linux distro from scratch. This has involved understanding, patching, building, and integrating 2,000 software components.

Recruiting: 2011. I spent part of 2011 as a recruiter for a startup in the power grid sector.

USPTO: 2010. A startup asked me to get past USPTO anti-download measures. Note: This was legal. I used 50 Tors and a semi-autonomous agent written in Perl.

Rocket launches: 1995. Rockwell was involved with rocket launches and used the MIL-STD-1750A processor to handle operations. I was the developer for the C compiler involved.

Webdev: 2008 to 2018: I've made changes or bug fixes to small-business sites of different types.