

CALVIN OWENS

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Quilt Part Time Software Contractor	2024 - 2025
Nuvia / Qualcomm Staff Software Engineer, Linux Kernel, OS Team	2022 - 2023
Cambridge Mobile Telematics Principal Software Engineer, IoT Group	2021 - 2022
Facebook Production Engineer, Linux Kernel	2014 - 2020

Education

Southern Methodist University, Dallas, TX • Computer Science	2010 - 2014 • Clarinet Performance
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Selected Projects

Personal

Linux kernel contributions • Dozens of upstream bugfixes across every subsystem • Extensive experience debugging/patching kernel bugs • Upstream patches: https://wbinvd.org/linux/	2010 -	Open hardware projects • https://github.com/jcalvinowens/tempsensor • https://github.com/jcalvinowens/ledboard • https://github.com/jcalvinowens/wallclock	2023 -
netconsd • https://github.com/facebook/netconsd • Backend for processing kernel logs at Facebook • Processes 1B+ logs per day from 1M+ machines • Replaced 100+ backend servers with fewer than 10 • Talk: "Monitoring the Linux Kernel at Facebook", LinuxCon 2016	2015 - 2017	ircam-viewer • https://github.com/jcalvinowens/ircam-viewer • https://github.com/jcalvinowens/meta-ircam-viewer • Minimalist GUI for viewing USB infrared cameras	2023 -
Interviewing at Facebook • Conducted 400+ technical interviews • Trained 20+ new interviewers • Taught a recurring class on architecture interviews	2016 - 2020	asmhttpd • https://github.com/jcalvinowens/asmhttpd • HTTP webserver written in x86-64 assembly • Uses only 4KB of RAM	2010 -
		Ham Radio • Amateur Extra licensee: W5CAL • 500+ contacts in 40+ countries on HF • Focus on antenna design and digital modes	2018 -