

**CALVIN OWENS**  
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[www.github.com/jcalvinowens](http://www.github.com/jcalvinowens)

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**wbinvd.org**

Self-owned contracting business

**2024 - Now**

**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**

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**Education**

**Southern Methodist University, Dallas, TX**

**2010 - 2014**

- Computer Science
  - Clarinet Performance
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**Selected Projects**

**Personal**

**Linux kernel contributions**

**2010 - Open hardware projects**

**2023 -**

- Dozens of upstream bugfixes across every subsystem
- Extensive experience debugging/patching kernel bugs
- Upstream patches: <https://wbinvd.org/linux/>

- <https://github.com/jcalvinowens/tempsensor>
- <https://github.com/jcalvinowens/ledboard>
- <https://github.com/jcalvinowens/wallclock>

**netconsd**

**2015 - 2017 ircam-viewer**

**2023 -**

- <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

- <https://github.com/jcalvinowens/ircam-viewer>
- <https://github.com/jcalvinowens/meta-ircam-viewer>
- Minimalist GUI for viewing USB infrared cameras

**Interviewing at Facebook**

**2016 - 2020**

**2010 -**

- Conducted 400+ technical interviews
- Trained 20+ new interviewers
- Taught a recurring class on architecture interviews

**asmhttpd**

- <https://github.com/jcalvinowens/asmhttpd>
- HTTP webserver written in x86-64 assembly
- Uses only 4KB of RAM

**Ham Radio**

**2018 -**

- Amateur Extra licensee: W5CAL
- 500+ contacts in 40+ countries on HF
- Focus on antenna design and digital modes