

Jeffrey Epler

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Professional Experience

[SDS/2](#) — 1999–present — Executive Programmer-Analyst

Mature cross-platform CAD package serving the construction industry.

Working in all areas of the package, including design, implementation, and maintenance of:

- Fast, cross-compiling build system
- Continuous integration
- GUI library and GUI builder
- TCL, Python APIs to C++ libraries

[Mesa Electronics](#) — 2014–2017 — Contract Programmer

Manufacturer and designer of hardware for embedded and industrial applications

Design and implement specific features in LinuxCNC driver for FPGA motion interface cards

Full Stack Technical Skills

- C++, Python, Tcl & others
 - 3D Printing (Cura, slic3r, OpenSCAD)
 - Technical 3D modeling & 2D drafting
 - Cloud Computing (DigitalOcean)
 - AVR, ARM, Arduino
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Volunteer Projects

[LinuxCNC](#) — 2004–present — GitHub Project Co-Owner, Elected Board Member

Software for hard real time control of CNC manufacturing equipment and motion control tasks

- Manage issues and pull requests
- Work with decentralized team
- Release manager
- Community governance
- Design & implement major features
- Maintain related websites & services

[Community Crops](#) — 2005–2016 — System administrator

Provides education, advocacy and experiences to grow local food

- Design, purchase, install, and maintain network of 12+ Linux PCs
- Security, data backup, and disaster recovery planning

Free and Open Source Software — 1994–present — Contributor

- [Linux Kernel](#)
- [git-scm](#)
- [Debian GNU/Linux](#)
- [Python](#) / [CircuitPython](#)

See my GitHub profile github.com/jepler for more contributions and original software