

**Resume:** One page for 46 years. **Contact:** me@oldcoder.org **Social media:** dansu.org  
**Education:** U.C. Berkeley, Bachelors in Math [High Honors] and C.S. [Honors]. National Merit Scholar.

**Career:** Code and Data Architect for 46 years [started before graduation]. Projects for the U.S. Govt., the U.S. military, and entities such as Adobe, Disney, DTIC, Rockwell, UK-NCIS. Roles in startups as well as regular firms and one national restaurant chain. Projects included:

01. Sole software developer one year for 50% of the U.S. Vote. [C.E.S., BMX and Ballot Tab]
02. Sole software architect for the initial conversion of the U.S. Govt.'s classified microfilm to microfiche. [DTIC aka Defense Technical Information Center]
03. Anti-terrorism after 9/11. [UK-NCIS aka National Criminal Intelligence Service]
04. Architect and developer for a fighter-jet data appliance. [Northrop-Grumman, MILES project]
05. Lead for numerous other projects, including compilers, assemblers, source-code analysis tools, device drivers, Internet tools, multimedia tools, database tools, a Photoshop EKG plug-in, and BIOSes. [Multiple entities]
06. Transaction and Loyalty SQL database architect for one of the national restaurant chains. [Firehouse Subs]
07. Teaching. [All ages from 8 to 80] Webdev instructor. IT training. No Child Left Behind.
08. Web developer. [Mr. PHP, Australia, and other entities]
09. Analysis of business and development processes. [Multiple entities]. Restructured the development side of one mid-size pharmaceutical firm. [WHI, Mississippi]
10. CCPA, HIPAA, and other privacy work. [Multiple entities]
11. Both B2B Support and public-facing Support. [Multiple entities]
12. Tech writing, manuals, build documentation. Also edited legal contracts and other documents for multiple CEOs, VPs, and attorneys. [Multiple entities]
13. Has worked on a unique Linux distribution [aka distro] for 30 years. See: laclin.com
14. Has contributed to the official Linux kernel [Make ACPI provide CEDT table]
15. Most recent role: Data Engineer working with Azure, ADO git, and CLI. [Chevron Corporation]

### Skills:

Code languages:	'C' for 46 years. "bash" for 30 years. Perl for 30 years [both 4 and 5]. Python for 25 years [both 2 and 3]. Lua. PHP 5+. Some Java, JavaScript, and PowerShell. I fix bugs in C++ projects but I deprecate C++ for new projects. I know enough about Go, Haskell, Ruby, and Rust to build the languages themselves as well as tools written in them.
Data languages:	SQL: MariaDB and MySQL, PostgreSQL, SQLite3, Microsoft T-SQL. Parquet. HTML 5 and CSS 3. JSON and YAML. XML and XSLT.
Multimedia:	Experienced for 20 years with FOSS multimedia tools, formats, and conversions. I use ffmpeg, mpv, NetPBM, The GIMP, G'mic, Graphviz, ImageMagick, Handbrake, MKVToolNix, Pandoc, Sox, Tenacity, TeX Live, and CPAN and PyPi modules.
Microsoft and other:	Microsoft Azure. ADO git. Synapse. Data transformations of all types. Digital forensics. Anti-fraud. FOSS builds [expert for 25 years]. Containers. Virtual machines [both commercial VMs and QEMU]. Technical writing. FOSS licenses. Nginx web server. REST APIs. Legacy codebases. Email servers [I've set up a dozen MIAB boxes]. OSes: Linux, BSD, Solaris, SunOS, UNIX, DEC VMS, MS-DOS, MS-Windows, and OSes of my own design.

### Examples of possible contributions:

01. Non-standard Data Engineer operations. I'm not limited to data ingestion or transformations that can be done in Synapse.
02. Data cleanup. I do filters or validations that require heuristics rapidly and on an off-the-cuff basis. I've been the one to do this for the Loyalty and other databases for multiple firms and/or national chains.
03. Reduce costs of processes. For example, in two Azure compliance projects from 2023 to 2024, I validated every branch of 75 git repos using CLI in a fraction of the time that it had taken GUI data engineers previously.

**Quote from a recent product owner:** "His professionalism shone through not only in his work ethic but also in his ability to articulate complex technical details in layman's terms, making the information accessible to all team members."