Leonard Curtis
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Professional Objective:

To lead a team in the definition and development of real time and/or embedded software systems.

Education:

1972 B.S. Computer Science Penn State

Technical Skills:

- Muiltithreaded Microsoft Visual C++ for Windows-2000/NT Applications and Device Drivers.
- Object Oriented Design and Programming.
- Assembly Languages for Pentium, x86, 68k and many microcontrollers.
- Source Code Control, including Visual Source Safe and PVCS.
- Experience in using Scopes, Logic Analyzers and In-Circuit Emulators.
- Other Languages: Pascal, Basic, Fortran. Recent exposure to Delphi.
- UNIX Applications and Drivers + Mac & VAX Applications.

Experience:

Sierra Imaging / Great Imaging – June 1995 to January 2003

Key Partner in Sierra Imaging Startup

In 1995, the management and employees of the Imaging Products business of Metrix, Inc., bought the business from Metrix. Our primary product is Photographic-quality digital printers that print on standard RA4 photographic paper. The printers sell in the $25K-100K price range. We started with about 40 employees and by 1999 we were up to 250 employees with revenue of over $32M. In 1999 we were sold to Great Imaging, Inc. of Switzerland. In the last days of 2002, Great Imaging filed for bankruptcy in Switzerland. On January 10, Great Imaging America filed Chapter-7 and shut us down.

Second Generation Fotoprint (1997 to 2003) – Lead Software Engineer and Principal System Architect.

Designed the 2nd generation Fotoprint system architecture and communication protocols.
Co-Inventor of U.S. Patent numbers 6,012,738, 6,231,427, and 6,123,567.
Designed the Windows-NT device driver for the 2nd generation Fotoprint.
Designed the software and led the team that developed and QA tested the 2nd generation Fotoprint print engine driver and calibration software.

Designed the software and lead the team that developed and QA tested the following products using the 2nd generation Fotoprint print engine:

- The E.Motion-408 minilab which is now made by San Marco Imaging (Gretag) (01).
- The FP8000 printer prototype (00).
- The RP85 print engine that is used by CEWE Color, Inc. of Germany (99).
- The SMI1200 print engine that is used in the San Marco Imaging (Gretag) Netprinter (98).
- The Mileca Roll-to-Roll printer – a Sienna / Gretag product (98).
- The Nori12NT print engine that is used in the Noritsu QSS Minilab (97).

Fotoprint Product Development (1995-1997) – Lead Software Engineer and Software Architect.

Designed the software and lead the team that developed and QA tested the following products using the 1st generation Fotoprint print engine:

- AG850 print engine that is used in an Agfa minilab (97-98).
- FP3000 roll to cut sheet printer – a Sienna product (97).

- Konica 850 OEM Print Engine that is used in a Konica minilab (96-97).
- RP5000, RP2300, RP2200, RP2100, and RP2000 print engines used by CEWE Color, Inc. of Germany in their central lab photo development machines (95-96).
- FP5000 roll to cut sheet printer – a Sienna product (96).
- Bremson RP2400 roll to roll print engine used in a Bremson, Inc. printer (95-96).
- IP4000 roll to cut sheet printer – a Sienna product (95).

Metrex / Test Instuments Division -- March 1983 to June 1995

Fotoprint Print Engine and Printers (1992-1995) – Lead Software Engineer and Software Architect.

Designed the software, software architecture, and lead the team that developed and QA tested the 1st generation Fotoprint print engine driver and calibration software.
Principal contributor to the system architecture for the 1st generation Fotoprint print engines.

Designed the software and lead the team that developed and QA tested the following products using the 1st generation Fotoprint print engine:

- FP2000 roll to cut sheet printer (95).
- Experimental FP5060 wide format (48 inches) printer (94).
- Experimental P200, P100 and PrintMan printers for Polaroid (94).
- SMI100 San Marco OEM Print Engine (94).
- FP500 roll to cut sheet printer (94).
- Ilford IDI1100 and IDI1100P OEM roll to cut sheet printers (93-94).
- FP1000 roll to cut sheet printer (92).

Technical coordination of subcontractors for MAC drivers and PhotoShop plug-ins.

Dry Silver Color Printer (1988 to 1992) -- Lead Software Engineer and Software Architect.

- Principal contributor to the system architecture of the video capture board, and designed and developed the software.
- Co-inventor of "Screamer" ISA-bus board for driving the “Colorado” dry silver color printer.
- Designed and developed the real time kernel used in “Colorado” and FotoPrint.
- Designed and developed numerous MSDOS utilities for image conversion and manipulation.
- University of Colorado, Boulder, Student Co-op Project -- Led 4 CU students in developing an image conversion language and interpreter.

Metrix - Data Acquisition System (1983-1988) -- Lead Software Engineer and Software Architect.

Project Engineer for the Duke Power Reactor Trip Analysis project. Led a team of 5 software and 3 hardware engineers to build and install the 7 custom H.TMS data acquisition systems. Responsible for technical liaison with the customer and a subcontractor.

Project Engineer for the H.TMS streaming tape subsystem. Led team of 3 in developing software and hardware. Was the first software engineer at Honeywell TID to receive project responsibility.

H.TMS Project, Software Development:

- Designed and developed real time software for 68000 based color video display.
- Designed and developed real time software for 6809 based signal conditioning cards and the 68000 based data collection card to which they communicated.

Lockheed Aerospace -- February 1977 to March 1983

Held Top Secret clearence with EBI.

Flexible Intraconnect Program: Software design for Cheyenne Mountain communications system.

Networking IR&D program for the Defense Mapping Agency. Designed and developed a TCP protocol testbed in Pascal on the VAX.

Tele-Operator Retrieval System. Flight Software design for a spacecraft based on the Viking Lander computer.

Solar Power Pilot Project. Designed and developed real time embedded software for 6803 based Heliostat controllers, and developed real time software for Modcomp-II.

Grumman -- October 1973 to February 1977

Designed and developed real time software for Supervisory Control and Data Acquisition Systems for Nashville Electric, Los Angeles Dept. of Water and Power, and Power Authority for the State of New York.

Other Interests:

I obtained my Private Pilot's License in 1995.
I play guitars and electric bass. I recently designed and built vacuum-tube guitar amplifier.
I also ski and ride horses.

Salary: Negotiable.

References: Available Upon Request.