

## **Thomas E. Kendig**

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(510) 657-2579  
tom.kendig@kendig.net

### **Applications Engineer for Computer Controlled Equipment**

Experienced software engineer and applications engineer supporting customers and writing computer code shared among customers of Automated Test Equipment (ATE).

Software responsibility included developing and maintaining a dynamically loadable library (.dll) under Microsoft .net and a shared object (.so) under UNIX. This project was over 100K lines of code and was ported across four computer operating systems.

The success of the software project depended on the extensive documentation (Frame/HTML) and ftp site distribution to customers all over the world. The fun part of this software project was the installations on semiconductor production floors across the world. This often involved project oriented customer and vendor meetings.

#### **Software OS and Tools**

.Net/Visual Studio/Codecenter	Windows XP/NT
SourceSafe/make/ClearCase/SCCS	UNIX/Solaris/SunOS
Framemaker/PDF	DNS/NFS
Serial (RS232), IEEE488 (GPIB) communications	TCP/IP & RDP communications
National Instruments GPIB analyzer	UNIX system administration
Microsoft Office (Word, Excel, Power Point)	Oracle

#### **Computer Languages**

C/C++	PASCAL
bourne/csh shell scripts	SQL/RPL
LISP	Modula-2, PL/1, FORTRAN

#### **Engineering Applications**

Communications Driver development	Production Floor Process
Real-Time Programming	Compiler Techniques
Data processing (ASCII & STDF)	VLSI Pattern Conversion
Software Test Procedures	Circuit Testing
VLSI testing	Semiconductor Processing

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### **WORK HISTORY**

Software Engineer – Credence Systems Corp., Fremont, CA 1991-1992 & 1996-2005

- From coding through the build, archive and distribution process, maintained about 30 intelligent prober and handler communications drivers for Credence testers.
- Created a 150 page document describing the prober and handler communications and customer installation and usage.
- Improve production throughput up to 100% through monitored production floor performance on Credence manufactured ATE testers.
- Install, test and assist customers worldwide in automation on their test floor.
- Supplied simple parallel (TTL) cable implementations, design and debug for test floor prober and handler production automation.
- Ported a Graphical User Interface from a SUN 3 based architecture to a SPARC architecture. This included resolving porting problems such as data structure incompatibility in RPC packets and SunView programming errors.

Customer Support Engineer – TeamOne Systems Inc., Sunnyvale, CA 1992-1994

- Provided 800 number customer support for configuration management software. TeamOne's system is a kernel based file system. Support entails knowing UNIX file systems, NFS and system administration.
- Developed call tracking software package facilitation call follow up and allowing statistical measurements on incoming calls servicing.

Applications Engineer – Teradyne Inc., Sunnyvale, CA 1989-1991

- Provided post sales support for the Semiconductor CIM Division FIRMS product line. This included integrating information from VLSI test systems into an Oracle data base for later RS/1 analysis.
- Taught the training classes for the Teradyne configured data base and graphics tools. Rewrote into Framemaker the User's and Manager's training course material.

### **EDUCATION**

Carnegie-Mellon University, PGH, PA BS in Mathematics, emphasis in CS and EE