Thomas E. Kendig

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Fremont, CA 94539   tom.kendig@kendig.net

Software Engineer Developing and/or Maintaining code

Software engineer contributing both individually, by developing and maintaining stand alone products and as a member of a product team on large software release projects.

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.

Often project oriented customer and third party vendor meetings were required and sometimes production monitoring data reports for customers were provided. The success of the software project depended on the extensive documentation (Frame/HTML) and ftp site distribution to world wide customers.

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.
- Worldwide customer assistance in automation software install and test on their production 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.
- Improved a custom software build process that made extensive and unusual use of the utilities make and SCCS.

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 facilitating call follow up and producing statistical measurements on incoming call 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