

# KENNETH NICKESON

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## SUMMARY OF SKILLS

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- Highly skilled in training for computer systems. Have worked with all skill levels and taught courses in Japan, China, Europe and throughout the US and Canada.
- Proficient in the analysis and resolution of computer software problems.
- Skilled at working with clients to determine their needs and working out a comprehensive solution that makes technology work for them.

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## PROFESSIONAL EXPERIENCE

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### **Ken Nickeson Consulting**

*Web Developer*

Worked with Web Technologies since 2006

Development done in:

- PHP
- MYSQL
- Javascript
- JQUERY
- AJAX
- HTML
- CSS2/3

Developed a complete boat show management web application for a local boat club using the technologies listed above. The software provided for on-line registration, with payment through PayPal and automatic email confirmation.. The software provided numerous reports for tracking registrants, boat displays, as well as financial information for reconciliation of bank deposits and PayPal receipts. The software also generated all show materials such as badges and display placards

### **Kenco Computer Consultants, Inc 1981 - 2012**

*Owner and President*

Principal client was Aeronautical Radio, Inc. , Annapolis, MD 1981-2006

Provided support of the Aeronautical Data Network Systems (ADNS) a large telecommunication network connecting the airlines of the world.

Responsibilities at different times included:

- **Configuration Management**

Responsible for managing more than 1200 system modules and building integrated load modules for system/quality test and release to the operational network.

- **Coding and Unit Test**

Wrote software to enhance the capabilities of ADNS as well as modifications to resolve system problems. Coding and unit test was

done for all levels of software (operating system, drivers, communication protocols, application software, network control transaction processing and database).

- **System test**

Developed system test plans to reflect the system requirements and performed the system testing using an offline system test facility that mimicked the ADNS network.

- **System troubleshooting**

Analyzed memory dumps after system failures to determine cause of failure and developed software patches to remedy the problem until the next software release could permanently fix the problem. Provided on-call support 24/7 to maintain a system availability of 99%+.

- **Documentation**

Reverse engineered existing ADNS software to write 2167A compliant specifications for ADNS II, the replacement network for ADNS.

- **Training**

Provided training for system support personnel in operating system internals and dump analysis. Also provided multiple courses for system managers in the operation and configuration of the ADNS network.

### **Interdata/Perkin Elmer** Oceanport, NJ

#### *Software Integration Team- ARINC project 1980-1981*

Integrated the unit tested modules which make up the Network Control System functionality of ADNS. Once integrated and tested, performed Field Acceptance Test with the customer.

#### *System Troubleshooting Specialist 1979-1980*

Traveled worldwide as a team with a hardware engineer analyzing and fixing problem which local field support personnel had been unable to solve.

#### *Software support 1978-1979*

Provided phone support on applications and the operating system for Perkin Elmer 32 bit products.

#### *On-site consultant to NASA at Johnson Space Center 1977-1978*

Provided support and troubleshooting expertise for NASA and their contractor Singer Link as they developed the space shuttle simulators used in astronaut training.

#### *Software Instructor 1976-1977*

Taught courses in operations and programming of Perkin Elmer's 32 bit product line of mini-computers. Courses included OS internals, writing specialized drivers, assembly language programming and computer operations.

**GTE Information Systems** Mt. Laurel, NJ

*Training Specialist*, 1973 - 1976

Developed and presented training courses on the operation and management of the Social Security Data Access and Response System (SSADARS) a large data network developed by GTE for the Social Security Administration.

**Leeds and Northrup Corporation** North Wales, PA

*Programmer* 1972 – 1973

Developed assembly language software for real-time power control systems using a Xerox Sigma 3 minicomputer.

**EDUCATION**

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**Pennsylvania State University, University Park, PA**

Bachelor of Science, Computer Science 1972