

Jeffrey Steinsnyder

Senior Software Engineer at Mission Solutions Engineering

Holland, PA - Email me on Indeed: indeed.com/r/Jeffrey-Steinsnyder/a6a4d30add9bf8d7

WORK EXPERIENCE

Senior Software Engineer

Mission Solutions Engineering - Moorestown, NJ - October 2010 to Present

- Developing mission critical, requirements driven, real-time Linux embedded software applications for various AEGIS/SPY platforms, encompassing all phases of development. Tasks included analyzing requirements, generating Use Cases and object oriented design artifacts using DOORS, Rhapsody and ClearCase, developing distributed multi-tasking component architecture.
- Performing design reviews, coding and unit testing utilizing C++, and performing integration and test with various RADAR components running Linux RTOS.
- Designed and developed Electronic Test Functions/Fault Isolation software application for various AN/SPY-1D(MOD) -RADAR functions.
- Designed and developed Transmitter/Exciter and Phase Shifter Driver fault isolation software for the RADAR respective components.
- Designed and developed Fault Management software to perform RADAR fault management functions and reconfiguration based on the fault thread prioritization.

Senior Member, Engineering Staff - Software

L3 Communications Systems East Corporation - Camden, NJ - January 2002 to October 2010

- Developed mission critical, requirements driven, real-time embedded software applications for various programs, encompassing all phases of development. Tasks included analyzing requirements, generating Use Cases and object oriented design artifacts using DOORS, Rhapsody and Rose with ClearCase, developing multi-tasking architecture.
- Presented material to customers at milestone reviews, coded and unit tested in C++, and performed integration and test with INTEGRITY DO-178B RTOS on a 32-bit PowerPC target platform.
- Designed and developed secure communications module utilizing TLS/TCP/IP stack.
- Designed and developed Commands Validator interface between the ASN.1 decoder and system interfaces.
- Designed and developed architecture to support multi-threaded Encryption Keys Production and Distribution application utilizing SCO UNIX operating system.
- Designed and developed DS101 interface between the Data Transfer Device and the Local Management Station utilizing an Oracle database.

Software Engineer

General Instrument / Motorola Inc - Horsham, PA - October 1995 to November 2001

- Designed and developed an embedded-downloadable software Client and PC Server applications to perform an automated testing of the Interactive two-way System using UDP/IP Network model.
- Developed Digital Cable System analysis applications in C/C++ using Vertex and VxWorks Operating Systems.
- Performed network design, throughput analysis and interactive network optimization in an integration lab environment.
- Experienced with all aspects of the project management, system engineering and integration processes.
- Designed and developed GI's Network Solutions, network architectures and methodologies, to support customers distributed network systems using GI's and third party network equipment.

Software Engineer

North American Dräger - Telford, PA - August 1990 to September 1995

- Developed embedded real-time multi-tasking software for patient monitoring system in C/C++ using the pSOS + and OS/2 Operating Systems.
- Designed and implemented system diagnostics.
- Developed an audio package for system alarms annunciation.
- Designed and implemented a transport mechanism to decrease TCP/IP Network Manager's demand for OS/2 system resources.
- Experienced with complete product development life cycle including requirements definition, design, implementation, testing, integration, documentation and manufacturing support.

Software Engineer

General Electric Co - Moorestown, NJ - December 1986 to August 1990

- Participated in the development of a PC communication package as member of the design team.
- Designed and implemented mainframe software to satisfy customer requirements.
- Developed solution for interfacing communication equipment to incompatible local area network wiring system.
- Worked directly with customers to provide support and solve problems.

EDUCATION

Master of Science in Information Systems

Drexel University - Philadelphia, PA

2000

Bachelor of Science in Computer Science

Drexel University - Philadelphia, PA

1990

Lyons Technical Institute - Cherry Hill, NJ

ADDITIONAL INFORMATION

SKILL SUMMARY

Programming Languages: C/C++, 680x0 Assembly, Perl

Operating Systems: INTEGRITY/INTEGRITY-178B, VxWorks, Vertex, pSOS, RT Linux

Hardware Interfaces: PowerPC, RS-232, Ethernet

Protocols: TLS, TCP, UDP, IP, DHCP, DS101

Development Tools: Rhapsody, Rational Rose, MULTI IDE, Tornado IDE

Version Control Tools: DOORS, ClearCase, ClearQuest

Development Workstations: PC, UNIX

Active Security Clearance (TS/SI)

SSBI (TS) [...] w/ Full Scope/Lifestyle Polygraph [...]