

Summary

Software Engineer with 10 years programming experience in embedded realtime environments. Familiar with all phases of the product development cycle including requirements definition, design, software development, system integration and test, product certification, customer installation, and product maintenance. Seeking a position as a software developer in realtime programming, product development, software test, system test, software quality assurance, configuration management, system integration, or product maintenance. Currently enrolled in SMU's Coding Bootcamp to refine my website and mobile application development skills.

Highlights

- C/C++ Unix
- Embedded Realtime Software Development
- Automated Software/Hardware Test
- Environment Simulation
- Object Oriented Design
- Excellent Communication Skills

Experience

3/99 – Now: Break from Profession Career to Raise Kids – Plano TX

While raising my kids I volunteered thousands of hours of my time, talents, and skills. Tasks included: director of Tball for 5 years, assistant director of basketball for 4 years at Plano Sports Authority; executive administrator of the Texas Angels Baseball Organization for 2 years; numerous PTA chair positions; PTA and HOA website development and maintenance; science project judge; guest panelist for PISD Academy HS capstone projects.

6/95 – 3/99: Sr. SW Eng. at Omnipoint Corporation (now T-Mobile), Colorado Springs CO

Member of several R&D teams to develop proof of concept projects in the mobile telecom industry. Used the C programming language to develop various platforms for both base and handset. Most of the software was embedded realtime requiring optimization of code for time and size. Also supported the hardware and RF engineers to create unique test interfaces/sequences for testing and validating hardware designs.

11/93 – 6/95: Sr. SW Eng. at Digital Equipment Corporation (now HP), Colorado Springs CO

Created a fully automated environment for testing a RAID software product. The test system included a suite of script files to execute regression tests, collect data, and automatically check for errors and generate a final analysis report.

9/92 – 11/93: Sr. SW Eng. at Teletronics Pacing Systems, Englewood CO

Member of team to develop a fully automated simulation environment for testing and validating (for FDA) a pace maker programmer used by doctors and clinicians. The PC based testbed include a heart/ respiration simulator, pacer simulator, data collection, and a proprietary scripted language for creating test sequences.

1/88 – 9/92: SW Eng. at Texas Instruments – Defense Systems, CO Springs CO and Lewisville TX

Worked with hw engineers to design and develop several pieces of field test equipment for an onboard aviation radar system. Development included realtime embedded software in C, and test suites in HP Basic. Also a member of team to develop a simulation environment for testing and validating the HARM missile launcher (LAP). Testbed included a missile simulator (in C), simulation of components on the aviation bus that interfaced with the missile launcher, and the automated system for running test suites (C and HP Basic). Held a secret DoD clearance.

Education

1984-87 Colorado State University - Bachelor of Science in Computer Science and Mathematics Minor
Present Enrolled in SMU Coding Bootcamp

Miscellaneous

- Johnson O'Connor Research Foundation, Inc. Inventory of Aptitudes and Knowledge: Scored extremely high (75-95th percentile) in the following categories: Numerical, Spatial, Auditory, Memory, and Motor
- The Gallup Clifton Strengths Evaluation: Deliberative, Analytical, Learner, Responsibility, Relator