

# David E. Rose

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## SUMMARY

Software Quality Assurance Engineer/Development Engineer/Support Engineer adept at developing and /or testing software and /or supporting software in different environments and languages that produces quality solutions to meet end-user application requirements and minimize errors that result in lower user costs. Proven success in implementing quality assurance techniques and acquiring skills required to improve quality and reliability of products. Logical, open minded and team oriented; known for working well with others, drawing out ideas, collaborating to identify multiple solutions to software testing and determining the most effective way to provide a solution. Specific technical skills used during Quality Assurance testing and/or Development and Support include:

- Project Planning
- UNIX
- UNIX Shell Programming
- Progress Programming
- Roscoe
- Data Query
- TSO
- MS Visual Basic
- COBOL
- FORTRAN
- Oracle Training
- Oracle SQL Training
- Relational Database Training
- Windows 95, 97 and 98
- MS Office 95, 97, and 2000
- Microsoft Office Suite
- Microsoft FrontPage 2000

## PROFESSIONAL EXPERIENCE

### **Cexec Inc., Dulles, Virginia**

An information technology and E-business solutions and services company subcontracting to TRW in Dayton, Ohio for the Air Force at Wright Patterson AFB.

#### **Senior Software Test Engineer**—Air Force Requirements Management System (2000-2002)

Performed Quality Assurance testing on The Requirements Management System used by the Air Force Material Command (AFMC) to compute the requirements for 200,000 recoverable and expendable items worth an estimated 50 billion dollars. It is a complex online system consisting of over 1,000,000 lines of software code.

- Obtained National Agency Check (NAC) while employed for Cexec.
- Performed quality analysis of new requirements and designs.
- Redlined/updated RMS Test Plans to improve Quality Assurance testing of new software changes.
- Executed Detailed Test Requirements (DTRs) and gathered the test results used for system procedures.
- Attended reviews of the developers' early analysis and design of new design changes to RMS. Represented the Test Department at the analysis and design review meetings resulting in quality designs for the RMS changes.
- Planned, developed, and reviewed QA test strategies and written test plans and procedures for the RMS system.
- Updated and executed queries of the database, as well as, writing and executing SAS jobs (a data analysis tool).
- For the QA process, performed system tests and generated written problem reports for system enhancements prior to their delivery to the Air Force.
- Regression tested corrections to documented problems resulting in clean software.
- Assisted in the preparation of the QA test plan/results document for delivery to the Air Force resulting in a quality document.
- During the course of QA system testing Visual Basic, Excel, Roscoe, TSO, CA Dispatch and Data Query were utilized.

**NCR Corporation, Dayton, OH**

A \$6 billion provider of information solutions to industry.

***Application Development Consultant***--Information Technical Services (1993-2000)

Supported seven on-line applications as well as a number of lesser applications written in COBOL with 7x24 support via pager. Performed support, which included bug fixing, enhancements, and Quality Assurance testing to systems both with on-line as well as batch programs. Developed program specifications, programs, and quality assurance module test plans, as well as reviews of design and functionality of batch and on-line programs.

- Enhanced, tested, and supported a dispatching system, written in Progress, which allowed users to function as if they were in their old NCR legacy environment.
- Supported Office Level systems written in Visual Basic and MS Access.
- Converted and tested non-Y2K UNIX programs and shell scripts to Y2K platforms with zero Y2K complications.
- Performed support on new UNIX applications on Y2K platforms.

***Senior Principle Analyst***--Systems Dev. & Support, Systems Support Div. (1990-1993)

Supported two large on-line systems written in COBOL with Cincom Total database, a Network database, and Tranpro, transaction processor software. Controlled day-to-day operations of all the departments job executions.

- Enhanced and supported two large on-line systems through coding changes and database changes/updates. Analyzed, coded, quality assurance tested, and applied all changes/updates.
- Provided scheduling of daily, weekly, monthly, and year-end job runs resulting in timely output.
- Monitored for quality all daily output for errors resulting in more accurate data in a timely manner.

***Senior Systems Analyst***--Quality Assurance, Customer Services Div. (1984-1990)

Provided total quality assurance testing and monitoring, utilizing project management, covering all aspects of in-house and externally developed software for mainframe systems.

- Developed Quality plans for all steps of the quality process and followed them through to completion.
- Produced quality software, accurate documentation, controlled first customer availability, site installations, and follow-up problem resolution.
- Performed software quality procedures on a Police and Fire Computer Aided Dispatch System and a Universal Financial System for the banking industry.

***Senior Systems Analyst***--Department Administrator, Benchmark Services, Customer Services Division (1980-1984)

Supported the manager of Benchmark Services by controlling the workload of the department and follow-up research on sales made from benchmarking.

- Analyzed and scheduled all incoming department work to insure that equipment and personnel were available in the required time frame thereby meeting critical scheduling.
- Assisted department personnel with the conversion efforts to finalize a benchmark when extra expertise was needed.
- Assisted the department manager and personnel in presenting the effort to the prospective customer during the demonstration phase of benchmarking by setting up equipment, preparing and giving the oral the presentation.
- Developed and trained 6 NCR personnel on a standard demonstration of the NCR Virtual Resource Executive Operating System, VRX, to be given to prospective customers.

***Senior Systems Analyst***--Benchmarks, Field systems, Systems Services (1970-1984)

- Converted and demonstrated all NCR and outside vendor software to run on NCR hardware and software in a pre-sale environment. Became proficient in all of the latest developments in software and hardware being developed within NCR, some of which was in prerelease mode. An 80 to 90 % success rate in sales of software and hardware was realized.

***Systems Analyst***--Systems Services (1969-1970)

Served as a Site Representative for NCR, assigned to new and existing NCR customers to install and/or upgrade software. Functioned as analyst, programmer, and operator on various customer sites.

**EDUCATION and PROFESSIONAL DEVELOPMENT**

**B.A. Business Administration**, Bellevue University, Bellevue, Nebraska.

NCR Corporate Education Services and Management Education, Dayton, OH:

College-level courses in management, computer science, languages,  
operating systems, and communications.

Extensive OJT at NCR on the Quality Assurance Process.

Computer Based Training at TRW on Rational Rose, Features of Java, Object Oriented Analysis and Design

Object Oriented Concepts course, Sinclair Community College.

**CLEARANCES**

NAC National Agency Check (2000 – 2002)