**Keith L. Davenport**

11 White Horse Ct.

Walnut Creek, CA 94595

Cell: 925-478-0108

Home: 925-938-9024

Email: [keith.davenport@sbcglobal.net](mailto:keith.davenport@sbcglobal.net)

U.S. Citizen

**Credentials**

* Fast learner of new applications and technologies. Expert analytical and problem-solving abilities coupled with extensive experience in multiple programming languages, hardware platforms, and software products
* Positive, energetic attitude, emphasis on quality work, problem-solving focus, and good communication skills.
* Skilled developer of complex software for business applications, constantly providing new value to each application worked on.
* Experienced developer and team leader in all phases of the software development life cycle, including requirements, coding, testing, and production support.
* Professional technical writer, including requirements, functional specifications, and test instructions.
* Recognized by management as a key contributor. Awarded (legacy BankAmerica) BASE Most Valuable Peer in 1995. Awarded Bank of America individual 24x7x365 Level 3 (the bank's top technical award) in 1999.

**Key Accomplishments**

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* iCohere, a company providing software products for constructing online Unified Learning Solutions. Solved design problems involving international time zones, problems which were threatening to seriously delay the product's initial release date
* Bank of America Corporate Directory. Six years as lead developer of product line for web and mainframe components. The Corporate Directory product line was a core, enterprise-wide suite of applications at Bank of America. The application suite was highly integrated with Personnel, Retail Banking, Financial Hierarchy, Supply Chain Management, Information Security, Email Administration, and Mail Services.
* Bank of America Employee Planning System (EPS). Transformed a "troubled" application to serve as the salary planning system for legacy BankAmerica's technology group, thus helping to contain costs.
* Bank of America Personal Trust Accounting. Developed major enhancements to that batch application's asset tracking sub-system, including the changes for one of the first personal trust sweep accounts ever offered in this country, giving the bank competitive advantages in the market place.

**Professional Experience**

**iCohere,** Walnut Creek, CA July 2011 - present

**Developer** (also contracts in 2000, 2003, 2007, 2009, Aug 2010-Jun 2011)

* Developer for iCohere, making enhancements in ColdFusion, Javascript, JQuery, AJAX, HTML, CSS, and SQL. Using React in new development.
  + Primary front-end developer on the company’s Learning Management System, Event Registration, and Meetings modules.
* Developed/modified MS SQL stored procedures (SQL Server 2012) on an as-needed basis.
* Developed reports using Cold Fusion Report Builder and ColdFusion spreadsheet functions.
* Developed interfaces (via API calls) with PayPal, Authorize.Net, Facebook, and LinkedIn.
* Developed enhancements to the product’s mobile version.

**Chevron Oil Corporation,** Richmond, CA May 2008 - July 2010

**Contractor** (agency: Advantage Resourcing America)

* Supported and maintained nine separate, but related, applications in Chevron's Oronite group. The applications supported research and development of new lubricants: research findings entered via online terminals, aggregation of data, results reporting, etc.
* Application technologies: IBM mainframe (VM), Oracle, SQL Server, Windows Server
* Work was done in NOMAD, SQL, PL/SQL, VBA, DTS/SSIS, REXX, ASP, ASP.NET, VBScript, and UNIX Shell Scripting. There was also some use of Web Services and JSP.
* Databases were NOMAD, MS SQL Server 2003, Oracle, and MS Access.

**Charles Schwab,** San Francisco, CA May 2007 - May 2008

**Contractor** (agency: Sapphire Technologies)

* Supported and enhanced batch automated testing for the Mainframe Testing Services group.
* Automated a number of previously manual testing tasks.
* Work was done in JCL, REXX, CA Scheduler, some EZTRIEVE, MQ Series, NEXUS, VBScript.

**Bank of America,** San Francisco and Concord, CA July 1972 - December 2006

**Consulting Systems Engineer** (also small contract in 2009)

* Lead Developer on Corporate Directory application for six years. Required knowledge of software products on five platforms: MVS, VM, Web, PC and UNIX. Partnered with the product manager and operational lead to improve and expand the product at minimal cost.
  + Primary search-and-display database was LDAP running on Sun Solaris machines, but real-time SQL updates to a system-of-record DB2 database running on an MVS   
    mainframe were also done.
  + Half the mainframe components were written in CICS, COBOL, and JCL going against the DB2 database. The other half was an extensive battery of NOMAD and REXX procedures used for overnight batch processing.
  + Client-side was HTML and Javascript. Web server components were written in ASP   
    and VB6 and run on MS IIS web servers. There was some NOMAD code that produced reports in HTML, delivered by a VM web server.
  + There were also MS Access, XML, and REXX CGI components.
* Produced high-level designs on tasks related to the bank's successful consolidation of payroll systems as part of the MBNA acquisition.
  + In doing the analysis, ad hoc SQL queries going against a Teradata warehouse database were done on a daily basis.
  + Also served as a low-level security administrator.
* For legacy BankAmerica payroll, developed ad-hoc facilities allowing authorized users to run their   
  own reports, thus freeing up expensive systems staff for more important development work.
  + Became an expert at developing COBOL user-defined functions to run within the NOMAD   
    language.
  + Required knowledge of VSAM files and manipulating them with such tools as MVS FlLEAID.
  + Languages used were NOMAD, JCL, and REXX.
* Enhanced, maintained and supported the Employee Planning System (EPS). The EPS   
  architecture was a virtual client-server application implemented on a VM mainframe.
* Worked as developer and database administrator. Language/database was NOMAD.
* Job control language was REXX
* Gained extensive knowledge of business reporting. Application had 30 reports.
* While improving the product in general, specific attention was given to information security needs.
  + Designed, developed, installed, and maintained project expense recovery systems. Such systems covered project billing, time reporting, budgeting, expense tracking, project sizing, and task   
    scheduling. While such applications are standard today, at that time they were the first accurate   
    tools available at legacy BankAmerica for the cost control of software projects.
    - Work was done on a VM platform using COBOL, EXEC, and NOMAD.
    - Master files were MVS QSAM updated nightly with transaction files.
  + Designed, developed, installed and supported enhancements to legacy BankAmerica's Personal   
    Trust Accounting (PTA) application. Also, maintained and improved the small timeshare   
    application that directly supported the bank's sweep fund portfolio manager.
    - Work was done on an MVS platform using COBOL and JCL.
    - Master files were MVS QSAM updated nightly with transaction files.
    - The timeshare application ran on a VM platform using FORTRAN and EXEC.

**Software Expertise/Experience**

ColdFusion, JQuery, Javascript, HTML, CSS, React, AJAX, ColdFusion Report Builder, SQL, NOMAD,- COBOL, JCL, CICS, REXX, EXEC, PL/SQL, ASP.NET, ASP, Visual Basic, VBA, UNIX shell scripting, DTS/SSIS, XML, MQ Series, EZTRIEVE, Web Services, FORTRAN, and APL. Some Angular JS, SASS, Node.js, and Java Server Pages. Have studied JAVA and C++.

**Databases**

MS SQL Server, NOMAD, DB2, LDAP, VSAM, Oracle, MS Access, and MySQL

**Operating System Environments *I* Hardware platforms**

ColdFusion Server, MVS z/OS (and predecessors), VM z/OS (and predecessors), UNIX. Windows 10   
(and predecessors), Windows Server, SQL Server 2003 - 2012, Oracle, and Node.js

**System Development Tools**

Visual Studio Code, Atom, Notepad++, ColdFusion Builder, SQL Server Management Studio, Eclipse, ISPF, XEDIT, MS Visual Studio, MS Developer Studio, DTS, and MySQL Workbench.

**Certification and Education**

* 2004-05 - Bank of America Six Sigma Greenbelt and Design For Six Sigma training classes,   
  resulting in Greenbelt certification
* 1998 - Bank of America ITU (3-month intensive web-programming course)
* 1972-2006 - Seminars/courses taken while at Bank of America (e.g. JAVA programming)
* 1972 - MS, Industrial Engineering & Operations Research, University of California, Berkeley.
* 1971 - BS, Mathematics & Computer Science (double major), UC Berkeley.