Neil P. Dennis

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PROGRAMMING EXPERIENCE:

Over thirty years of computer programming experience covering a wide variety of equipment platforms including Windows, Macintosh, UNIX, Linux. Experience in a number of languages and environments and libraries including 4D v1.x - 6.x, 2003, 2004, v11-v18, Java, HTML 5, JavaScript, jQuery, XML, JSP, JSON, Eclipse, C/C++, MySQL, Sybase, Oracle, as well as many others.

WEB/MOBILE APPLICATION EXPERIENCE:

Twenty five years experience working on web, mobile and desktop applications using a variety of programming tools including Dreamweaver, Muse, AI, Eclipse, Tomcat, Apache, Struts, MySQL, Sybase, 4th Dimension and others. Projects include but are not limited to:

A mobile application that uses 4th Dimension as a backend and communicates with JSONP. The backend is hosted with an Amazon virtual server and interfaces with their SMS and other services. The mobile application is a hybrid application and is on both the Apple iTunes and Google Play stores.

A web site for a Video Store and another web eCommerce solution using 4D web programming a 4D database backend one of them utilizing an Apache web server front end.

A web application developed with a team of programmers to create a new web based quote and bind application for an auto insurance company. This application uses Sybase and XML for data transport, it includes coding techniques to execute server side scripts without a full page submit. And also includes dynamic dropdown updates from JavaScript.

Web front-end application for a 4D backend database to service Alternative Investments, includes dynamic charts and graphs using jQuery and live data from the backend.

DATABASE AND 4th DIMENSION EXPERIENCE:

Working as a Full time 4D programmer both as an employee and as an independent contractor since 1990. Including development of application front ends, web front ends, and database structural back ends in 4D, Oracle, Sybase and MySQL. Design and interface development for a number of multi-user and single user projects including:

On-site programming for large-scale multi-user engineering management database connecting to an Oracle backend (new aircraft design and engineering change control software) designed for a major airplane manufacture.

Front end 4D application to an Oracle back end. This program is a bill of materials system for a large disk drive manufacture. The program allows off-line use of local data with synchronization routines to keep the Oracle and 4D data equivalent copies. It also includes many complex reports of the Oracle data.

Video store web software. This program includes a point of sale system, inventory tracking and reporting system (including among others a graphical video rental history, a forecast depreciation report). This program also includes encrypted remote synchronization to a central server, which uses a 4D web server to allow up to the minute web searches on video store inventory.

An accounting system for a large Banks alternative investment accounting branch. Services hundreds of users and included a 4D client, and web front end as well as mobile access with Android and iOS devices.

OTHER EXPERIENCE:

Adobe PDF - from the Adobe document specifications, created a code library for generation of Adobe PDF documents. This framework creates minimal size PDF documents without the use of a printer driver or external converter.

XLSX - From the open XML document specifications created a code library to generate xlsx documents, this project is still underway adding feature as needed.

DOCX - From the open XML document specifications and work done for the xlsx code library created a code library to generate docx documents, this project is still underway adding feature as needed.

HOBBIES/INTERESTS:

Hardware - work on old Commodore-64 computer systems trouble shooting and fixing hardware problems. In addition to the C64, work is also done on the 1541 floppy drive

New Web/Mobile/Data Access Languages - React, Angular, Handlebars, ORDA, Swift, Objective C, .net

EMPLOYMENT:

(August 2010 - Present) Application Architect for UMB Financial Corporation. Working on an inherited 4D database, created web and mobile front end.

(April 1997 - Present) Owner of GreaText – Developing custom computer applications)web/mobile/desktop/client server) for companies, working with 4D, JavaScript, JSON, C++, Java, and other languages. Experience in 4D Plug-in writing using C/C++.

EDUCATION:

B.S. - University of Utah (3.7 GPA)   Computer Science w/ ME Emphasis