

Richard Sybert

Web Developer

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Web Portfolio: <https://www.rsypertjr.tk/front>

Work Experience

Web Developer

Townsquare Media/AnalyticOwl - Purchase, NY

September 2018 to March 2020

I was laid off due to the Covid-19 corona virus.

My work environment included:

- Visual Studio Code, Php Debug extension to VSCode
- Chrome Dev Tools for Javascript debugging
- Git
- Node.js
- Vue.js, Vue devtools chrome extension
- Google Analytics
- Slim3 micro framework for PHP
- Ubuntu 18.04 and 19.10 for Linux operating system
- Tilix for command line Linux
- Command line Postgresql, pgAdmin3 and 4 for managing databases
- NPM, Composer, and Gulp for package managing

Used Node.js to:

- Code modules used to convert Excel data into executable, regular formatted .csv data by using regex on .xls file row data to filter out unwanted data and irregular formatting.

Used PHP to:

- Parse .csv formatted data into JSON format for processing in front-end javascript-based code. Creating new properties within the model data by coding service and controller classes.
- Command-line PHPUnit testing of controller and service classes where SQL used for generating complex test data from databases. Classes accessed thru Slim PHP container object. Each classes methods were tested thru a separate PHP run at the command line.

Used Vue.js to:

- Convert dashboards and modals from Twig/Javascript/Material UI/JQuery to Vue.js templates using Semantic UI elements for buttons, dropdowns, modals, etc.

Also:

- Created new front-end features for data verification (prevent data duplications, etc.
- Back-end parsing of data in PHP-code to enhance data modeling for new front end representations.
- Filtering/reformatting of large and very irregular .xls log file data using regex (within Microsoft Visual Studio editor) to an executable format.

Software Developer/Research Assistant

UNLV School of Life Sciences - Las Vegas, NV

May 2012 to June 2012

University of Nevada Las Vegas

4505 Maryland Parkway

Las Vegas, NV 89154-4004 USA

These programs are on my website: <http://159.65.100.7/fuel2/index.php/front>

Software Developer/Research Assistant

- I was hired to a 5 week contract by Dr. Martin Schiller to write a program for an Organism Relation Ontology (ORO) Miner which provides hierarchical and graphical representation of the different Organ Systems and their sub-systems. I had previously completed a test program for extracting Motif (amino acid code patterns) relationships and statistics from proteins (large sequences of amino acid codes);
- Both programs use combinations of software languages: DHTML, CSS, XML, XMLDOM, DHTML, JavaScript, MySQL, SVG, DOM, PHP, and others. These programs are on my website: <http://www.rlsworks.com/ciams> for two different Organ System/sub-system data structures.
- These programs have event-driven GUI interaction for information selection from hierarchical tree display, and information display is in hybrid form node-based 2-D graphs and tables.
- The programs transformed MySQL database information to an XML database for application use. The programs use recursive iteration and active xml data objects for operation. I worked mostly from home on this project.

Software Developer

InsureZone - Henderson, NV

January 2011 to April 2011

Web-based programming using XSLT, JavaScript, and AJAX to transform XML and HTML to Dynamic (D)HTML. The XML represented data for automated insurance quotations from on-line applicants. XSLT and Javascript (which both coded insurance rules per state) transformed the XML, and the HTML on the Insurance Carrier website, to (D)HTML submitted on the carrier websites to generate automatic insurance applications, which in-turn generated automatic quotations/declines/holds/etc from the insurance carriers in XML format. Used Jedit and Textpad to code XML and XSL.

- Used Virtual Office technologies like Trillian and Desktop VPN
- Used File versioning software called Perforce
- Obtained job by completing their programming test
- Technical Writing

Documentation Specialist

Power Efficiency Corporation - Las Vegas, NV

August 2010 to October 2010

Engineering Support Analyst/Technical Writer -Individual Contractor/Consultant

- Used Adobe In-Design to create product manuals for Electric Induction Motor Efficiency Controllers. This was for their existing and next generation products.
- Used Microsoft Word 2003/2007/2010 for editing
- Did conversion between PDF and Word formats
- Performed Graphic illustration format conversions
- Used Picasa software and Print Screen utility for Screen Capture
- Worked on Web-based-Knowledge-Repository using Microsoft Visual Studio 2010 and its LINQ-to-SQL feature.
- Edited the company technology white paper for better technology clarification.
- Gave consultation for improvement of engineering and corporate inter-relationship of processes. Helped formulate Product Requirement and Product Development procedures and documentation

Environmental Health Engineer

Southern Nevada Health District - Las Vegas, NV

September 2005 to March 2006

Review of Site Plans submitted to Clark County for Residential and Commercial development, to inspect whether water and sewer design meets county design criteria and safety standards (including proper relationship to public utilities)

- Learned and used Python programming language and Microsoft Visual Basic
- Used Microsoft Word to write Work Process Definitions for my Engineering Review processes
- Learned and used Microsoft Visual C#.Net programming language to write work process automation program
- Used Auto-Cad to inspect Land Development plans
- Learned and used Arc-View GIS to apply county design criteria to Land Development

Construction Worker

Aderholt Specialty Las Vegas - Las Vegas, NV

August 2004 to December 2004

Construction work involving removal, transport, and disposal of rapidly accumulating debris in work areas to prevent the impediment of other concurrent construction operations in the building of a high-rise tower for Caesar's casino.

Technical Writer/Editor

Red Inc - Las Vegas, NV

December 2002 to February 2003

Used Microsoft Word to perform technical editing of Nuclear Engineering directive and procedural documents in support of Bechtel Nevada

- Used Microsoft Excel to log a daily record of my work history

Systems Technician Trainee

Center for Enterprise and Information

January 2002 to February 2002

Temporary stint of Systems Technician experience of desktop maintenance of Windows 98/NT/2000 Operating System

- Use of Internet and Windows Networking Techniques to install applications on Desktop computers
- Hardware component replacement for Desktop computers

- Hardware and software imaging for automated install to groups of desktop units

Senior Process Engineer

Allied-Signal Aerospace Kansas City - Kansas City, MO

May 1983 to February 1991

- Provided Engineering Support to the Printed Circuit Board factory's chemical/mechanical processes with process and equipment optimization and design
- Performed the Lead Engineering responsibility in the procurement of two computer-automated optical inspection systems used for quality-verification of machining and circuitry inspection operations
- Designed mechanics and software algorithms which enabled system automation function of the optical inspection system
- Collaborated with in-house support departments (numerical programming, maintenance engineer, metrology engineering) in design of system software interfaces, maintenance and calibration requirements for the optical inspection system
- Authored the technical documents for Purchasing and Operational specifications of the system
- Led the design, procurement, and implementation functions including the provision of consultation to vendor design personnel during system build

Education

Degree/Credits in Psychology

2. Community College of Southern Nevada - Las Vegas, NV

September 1996 to May 2002

Degree/Credits in Computer Science

3. University of Nevada Las Vegas - Las Vegas, NV

September 1998 to May 2001

B.S. in Mechanical Engineering

1. The University of Kansas - Lawrence, KS

September 1980 to May 1983

Skills

- JavaScript
- PHP
- Front-End Development
- jQuery
- Bootstrap
- HTML5
- Front-End Development
- Vue Javascript (2 years)
- Visual Studio Code (2 years)
- PostgreSQL (2 years)
- Semantic UI components (2 years)

- Chrome Developer Tools (2 years)
- PHP Debugging (2 years)
- PHPUnit Testing (2 years)
- PostgreSQL (2 years)
- Slim micro framework for PHP (2 years)
- CSS
- Git
- Microsoft SQL Server
- XML
- APIs
- MySQL
- AJAX