David Charles Jennings

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Professional History

April 2011 - Present, CBS Interactive
Languages: Perl, PHP, Python, SQL, XML, JSON, YAML
Databases: MySQL, Elasticsearch

Developed and maintained software for the two sides of the recommendations system. First side was reading and parsing incoming streams of YAML (using AnyEvent) data for insertion into Elasticsearch indices. The second part was web-enabled querying of the Elasticsearch. Additionally, developed and maintained text-ad serving software for different brands owned by CBSi, which included BI enhancements and AB testing of design changes. Maintenance of other sites also included in duties.

October 2009 - April 2011, Wells Fargo Bank (contractor)
Languages Perl, Shell
Databases Oracle

Developed software and supported Unix servers for the You Owe Me (YOM group). Development projects included scheduling, process-dependency management, and file-transmission handling. Maintained and troubleshot YOM test systems. Ported YOM Application from HP/UX to AIX platforms.

August 2006 - June 2009, LookSmart Ltd.
Languages Perl, Ruby, XML, SQL
Databases Oracle, Berkeley DB

Developed features, performed maintenance, and created data-mining analysis tools for LookSmart ₣s ad-serving platform. Projects included third-party supplier configuration, bid-landscape features and enhancements, pricing and ad auction logic, and test-suite development. Other tasks included log scraping and number crunching for the product team, resolving production issues, managing software releases, and working with project managers to determine the best implementation to meet customer needs.

July 2004 - August 2006, Mountain News Corp
Languages Perl, HTML
Databases MySQL

Developed new travel section of winter-sports media and information web site, including enhancement to the content-management system, modifications to the database schema, and increased functionality in the online client-manager tool. Developed website community system from the ground up. Developed and deployed RSS and other XML feeds, using both schemas and DTDs as validators. Configured and installed Apache, mod_perl, and MySQL. Mounted and unmounted NFS file systems, managed system cron, and assumed 24/7 responsibility to keep the site running.

April 2004 - June 2004, Wind River Systems (contractor)
Languages Perl, PHP, HTML
Databases Oracle, PostgreSQL

Performed application maintenance and bug fixes for Wind River ғs online Windsurf systems. Worked with users to identify solutions for outstanding issues, performed analysis, and performed necessary code changes.

April 2004 - April 2004, Unified Computing (contractor)
Language PHP
Database MySQL

Developed web-enabled timesheet entry and reporting system for consultants of Unified Computing. Features included tracking time for multiple projects per consultant, managing users with both project- and system-wide administrative permissions, and general reporting to be accessible by payroll.

March 2004 - March 2004, Unified Computing (contractor)
Operating System Window XP

Updated hardware, migrated data, and configured desktop applications for the San Francisco office of the State Bar of California.

September 2003 - February 2004, Stanford University Media Solutions (contractor)
Languages Perl, SQL, HTML
Database MySQL

Re-engineered the backend to the events calendar for the Lucile Packard Foundation for Children ғs Health. Designed the schema and migrated the data component from flat files to a MySQL database. Rewrote the bulk of the code in a more efficient manner to boost the site ғs performance. In January and February 2004, developed enhancements for Lucile Packard and created demo versions of the calendar for Stanford Media Solutions.

March 2002 - October 2002, Macromedia, Perl Programmer (contractor)
Languages Perl, HTML

Designed, developed, and implemented Perl scripts to migrate macromedia technical HTML documents from flat files with metadata to an Oracle database. A number of CPAN modules were used to accomplish the tasks involved in this project. HTML::Parser was used for parsing and extracting metadata, HTML::TreeBuilder for reformatting the HTML where tables meeting certain criteria were rewritten as ordered and unordered lists during conversion, and LWP::UserAgent for posting the data to a ColdFusion/Jrun server via HTTP requests.

April 1999 - March 2002, ChemConnect
Languages Java, Perl, HTML
Database Oracle

Designed and developed components and features of a B2B Chemical Industry E-Commerce system, first in Perl then in a multi-tier EJB architecture on a Weblogic platform. On the Perl system, created a module that

served as an interface that provided a set of subroutines between DBI and all subclassed data objects, as well as general development tasks to create the first incarnation of the World Chemical Exchange. When the system was converted to Java, developed servlets, EJBs (both session and entity beans), and JSPs as well as straight Java. In addition to development and enhancements of the system in general, particular areas of expertise included coding of JDBC helper classes, chemical product search and synonym matching functionality, and as-needed Perl utility and maintenance script development.

March 1999 - April 1999, Lexitech (contractor)
Languages Perl, C

Developed an integral part of an e-commerce system where data is updated on a server from the Federal Express central database via calls to FedEx ℉s API.

August 1998 - December 1998, ATP (contractor)
Languages Perl

Developed Perl scripts to convert Federal Aviation documents from Interleaf to SGML, created and maintaining the parseable containers while enhancing the documents as required for the features of the proprietary browser.

February 1997 - May 1998, Liaise Lifetech
Languages Perl, Java Script, Live Wire, HTML
Database Informix

Developed web-based applications and documents for an on-line life insurance company. Projects included insurance quoting engines, a financial needs calculator, agency management tools, and term life applications. Developed and maintained library of scripts for parsing of data from multiple insurance carriers into common format.

May 1996 - November 1996, Wells Fargo Bank (contractor)
Languages Informix 4GL, ESQL/C
Database Informix

Developed transaction-viewing module for ATM dispute resolution system. Developed and enhanced embedded-SQL C application parsing data originating from mainframe.

November 1995 - February 1996, Chiron Corporation (contractor)
Languages Informix 4GL, ESQL/C, C
Database Informix

Responsible for enhancements to existing applications including DNA Ordering, Intellectual Property, Document Tracking, and Analytical Viral Immunobiology systems.

June 1995 - August 1995, Informix Software (contractor)
Languages Informix New Era
Database Informix

Responsible for QA testing of the character-based version of New Era.

June 1994 -May 1995, Genentech (contractor)
Languages Informix 4GL
Database Informix

Responsible for the design, development and implementation of database to track material transfer requests between Genentech and third-party researchers.

June 1993 - October 1993, Autodesk (contractor)
Languages Informix 4GL
Database Informix

Primary duties in this position were to solve software problems and support the user base so the full-time programming staff could learn and prepare the incoming SAP system.

March 1993 - May 1993, Applied Biosystems (contractor)
Languages Informix 4GL, ESQL/C
Database Informix

Developed enhancements and performed maintenance for the Quality Control DBMS of this biotech corporation.

August 1991 - December 1992, Informix (contractor)
Languages Informix 4GL
Database Informix

Enhanced and maintained Order Entry, Sales Analysis, and Revenue Recognition systems on Sun and Pyramid platforms. Developed applications for the new invoicing system.

July 1989 - August 1991, The Good Guys
Languages Informix 4GL
Database Informix

Responsibilities were in design, development, documentation and applications management using SQL and the Informix OnLine engine. As systems operator, performed backups and other operations on NCR Tower and PDP-11 systems.

Education
Bachelor of Arts in English, San Diego State University