CHRISTOPHER DRYBURGH BSc

Software Developer

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Professional Experience

Small Business Web Support (Technical Support)
Small business website, domain, and email support.

Youtube Channel Front end development videos with exercises on GitHub.

Guild Bread and Goods Feb 2023 - present
Built a mobile capable responsive shopping cart website using Backdrop CMS.

RKEnviro.ca May 2022 - Present
Built a Backdrop CMS website.

GRANDE Environmental Projects Ltd. Jan 2013 - Present
Built Drupal website. Built a mobile capable responsive Vue.js / PHP / SQLite app providing environmental assessment reports to customers. ACM Reports usr-pswd: demo

CCS Educational Inc. Jul 1999 - Present
Built a static page website using HTML5, CSS, and vanilla JS. Built a ReactJS app simplifying complicated product options for customers.

Scheduler Jun 2021 - Jun 2021 Proof of Concept
Built a proof of concept application for a potential booking site project. It uses Vue.js, PHP and SQLite. Sample events can be seen in June and July of 2021.

CCS Educational Inc. ccseducational.com **(Office Manager) Sep 2013 - Sep 2023**
Performed duties such as phones, email, shipping, receiving, ordering, sales, billing, and HST.

SureTrack Warehousing (Full Stack Developer) Jan 2011 - Oct 2016 About Stockit
Built the Stockit desktop/mobile program to manage warehouse inventory activity. The project involved PostgreSQL, desktop GUI, mobile GUI, API development, and a web based front end for 3rd party logistics clients.

Knowledgeshape About VideoShape (Lead Developer) Jan 2009 - Aug 2012
Managed team development for VideoShape, a web based video conferencing system. It used Java for backend, Flash for front end video, and JQuery for cross browser compatibility. Version control used Subversion until a repository corruption prompted migration to Bazaar.

California company (Front End Web Developer) Aug 2008 - Aug 2008
Developed a website front end for a database. The project used PHP, SOAP and JSON messages. Developed web user activity reports on a LAMP (Linux, Apache, MySQL, PHP) stack. The project involved MySQL data modeling and AJAX messages to do database updates.

PAC Safety Group (Contract) www.WSIBPACSafetyGroup.ca Jan 2007 - Dec 2010
Created the online presence for the group in 2 months. Group members performed safety projects which reduced workplace injuries. The WSIB board provided financial award to the group as a whole for completing the tasks. The group existed from Jan 2007 to Dec 2010.

http://www.SacredKnight.com/webdemo (Front End Web Developer) Dec 2006 - May 2007
Created a "Pay For View" web page using PayPal. There was a free one minute video and a twelve minute pay video. Video's were encoded to support high and low bandwidth and the flash(flv) format from the original quicktime(mp4) format.

MDS SCIEX (Software Support / Application Developer) May 2006 - Oct 2006
Performed software support for C++ Mass Spectrometer systems called ELAN and TOFworks answering field technician inquiries. Worked with software developers and scientists to answer questions, create software patches and handle feature requests. I released 5 patches and 1 hotfix during my time there.

GR Technologies (Software Developer) Dec 2003 - Jul 2007
Tasks included running network cables, on-line shopping cart, server based spam filter, website Captcha, emergency customer support, electronic fund transfer processing, website design, web site database interface, and MS-Access forms and reports.

-Rackware: An inventory management program. (Jan - Jun 2004, Jun 2005)

The project involved MySQL and C++ wxWidgets library. MS SQL Server was added in June 2005 through ODBC. Full stack development tasks included data modeling, GUI design, report design, manual writing and developing a bug log. The team included myself as the developer, one management/sales person, and one tester.

CGI(Cognicase, Acordial, Logisil) (Full Stack Developer) Dec 2000 - Feb 2003
-Agency: A management system for Life Insurance Agencies
Agency is a database system that manages information for life insurance brokers, policies, and policy-holders. Agency clients include various life insurance agencies and banking institutions. My main tasks included debugging software, maintaining the reporting capabilities of the software, implementing hierarchy functionality, and upgrading client software.

Report management involved SQL performance tuning, bug tracking, and data repair scripts for clients with corrupt data. Performance tuning was done using Query Analyzer, views, indexes, and Pass-through queries. The bug tracking would often lead to other parts of the software such as the accounting section and data repair scripts which were sent out to the client in question. The report management required familiarity with the software as a whole.

The hierarchy functionality was used to classify users into branches and titles. It could be considered a more advanced form of users and groups classifications.

Upgrading Agency involved MS SQL Server upgrade scripts, client software installation, and log sheets to keep track of which clients had been upgraded.

The Agency team included 5 developers and 2 management/sales people. The system is built using MS SQL Server, Visual Basic, and MS Access. Typical tasks included SQL performance enhancement, SQL report query management, data modeling, adding functionality, bug tracking/repair, and upgrading customer software.

GR Technologies (Full Stack Developer) Apr 2000 - Dec 2000
Many varied projects including creating and supporting a call centre database in MS Access, setting up a in-house web development environment, and modifying customer web sites written in PERL and C.

InspecTech Feb 1999 - Jun 1999
InspecTech developed sensor equipment for use in manufacturing environments and used Borland C++ to develop software for the sensor equipment. Each sensor application would transmit data using Net DDE back to a central system. The central system developed using Wonderware collected and displayed live sensor information about all running sensors. The central system logged data using MS Access and generated reports using Crystal Reports. Wrote an end user manual and a developer manual for the central system.

Education

SAP Education

SAPTEC Application Platform Fundamentals Sep 2005
This course covered many aspects of an SAP system. Topics covered include mySAP, NetWeaver, R/3, Web Application Server, ABAP programming, and BAPI's.

The Institute for Computer Studies

Computer Programming and Internet Application Professional Diploma 1998
This was a 22-Week, Full-Time Immersion Program (1,100 Hours)

Lakehead University

Bachelor of Science in Chemistry 1997

Topics: Modern Physics, Polymer, Organic, Physical, and Analytical Chemistry.
-Learned to visualize ideas and break them down into parts.
(160 hours of lab work).

Chemical Engineering Technology Diploma 1995
Topics: Controls, Mass Balances, Pumps, Material Science, Thermodynamics, Programming, Pulp and Paper, Report Writing and Presentations. Practical lab work was performed.
-Learned to work with numbers and heavy workloads.