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SUMMARY

I am deeply involved in open source software, having contributed to more than 100 Git repositories in 15 different programming languages.

LANGUAGES

Proficient

PHP

C/C++

Familiar

Javascript

Haskell

Working Knowledge

Java

Python

Ruby

EDUCATION

University of Prince Edward Island

Bachelor of Science 2005 - 2009

Majored in Computer Science.

Minored in Mathematics &

Business.

Procept Associates

Project Management Training 2008

Focused on

Integration, Scope, Time, Cost, Quality, Human Resources, Communications, Risk Management, Procurement, Stakeholder Management.

EXPERIENCE

Freelance / Contract Developer

UK — 2016 - Ongoing

Work described on the following page. Focused on DevOps and web development work. Specializing in Docker and Drupal, performed both backend and frontend work.

Solution Architect, Discovery Garden Inc.

Charlottetown, PE, Canada — 2014 - 2015

I met with clients to identify requirements and establish the scope and timeline of projects. I created technical plans and identified possible solutions to realize the client's goals. I lead the development, system administration and quality assurance teams to fulfill the technical plans while maintaining communication with the client throughout this process to ensure easy hand off when the work was complete.

Accomplishments

- Effectively delivered projects on time and on budget
- Responsible for 1/3 of all projects / revenue at the company

Developer / Team Lead, Discovery Garden Inc.

Charlottetown, PE, Canada — 2011 - 2014

As a Developer I focused largely on writing Drupal modules to manage and migrate data within a Digital Asset Management System (called Fedora Commons).

As a Team Lead I sought to remove any friction that would slow down project deliverables. I looked for opportunities to improve efficiency and team engagement / happiness. This included, but was not limited to: conflict resolution, effective delegation, promoting communication, clarifying requirements, and organizing social events. I focused on establishing agreed upon (by team members) processes to achieve this rather than constant direct intervention, or by dictation.

Accomplishments

- Maintained a cohesive and effective team
- Improved margins by implementing the Kanban and Agile methodologies

Game Developer, Other Ocean Interactive

Charlottetown, PE, Canada — 2006 - 2010

I developed video games using C/C++ on a number of platforms. I was often trusted to be the sole developer on a project, and to lead the technical direction of others.

Accomplishments

- Delivered 13 successfully published titles
- Maintained full-time employment, and full-time enrollment at University

RECENT CONTRACTS

Contract Drupal Developer, Discovery Garden Inc.

Oxford, UK and Edinburgh, UK — 2016 - On going

Working remotely up to 20 hours a week depending on the amount of available client work Discovery Garden has. My role consists primarily of Drupal module development; building new modules to satisfy client requirements, as well as fixing bugs identified in existing Drupal modules.

Small selection of sites worked on (approximately 50 in total):

- Connecticut Digital Archive: <http://ctda-islandora.lib.uconn.edu/>
- Baseball Hall of Fame: <http://collection.baseballhall.org/>
- Library Company of Philadelphia: <http://digital.librarycompany.org/>
- Washington Research Libraries: (*Drupal multisite*)
 - <http://auislandora.wrlc.org/>
 - <http://dcislandora.wrlc.org/>
 - <http://cuislandora.wrlc.org/>
 - <http://gaislandora.wrlc.org/>

Contract Drupal Developer & Systems Administrator, Livingstone Online Project

Oxford, UK — 2016 - On going

Performed all development, theming and administration for <http://livingstoneonline.org/>. The site explores the writings of David Livingstone, it serves 1.5 TB worth of high resolution images of his writings under different spectrographic lighting conditions in an attempt to better understand the writings and the circumstances under which they were created. Improvements and new features are added to the site slowly over time as more grants get approved to add new features. The project is ongoing but doesn't take up that much time after it's initial development.

Interesting aspects / features.

- Docker is used for building and deploying the site.
- Custom [high resolution image viewer](#).
- Daily automated import of content from clients FTP server.
- Solr based Full text search of all written content.
- Integrates Fedora Commons Repository (used to store the large images) with Drupal.

Contract Drupal Developer, White October

Oxford, UK — Sep 2016 - Mar 2017

For two to three days a week, I maintained existing client sites; fixing bugs and making improvements. Also migrated and built a new site for their client Hitachi Rail (<http://www.hitachirail-eu.com/>). The new site was built with Drupal 8. Content was migrated from their old custom system "*contented*", using some customizations to the Drupal 8 migration module.

Maintained & improved the following Drupal 7 sites:

- Hamilton Trust: <https://www.hamilton-trust.org.uk/>
- Said Business School: <http://www.sbs.ox.ac.uk/> (Drupal multisite, includes 2 other sites)
 - <https://www.sbs.ox.ac.uk/cybersecurity-capacity>
 - <https://execed.sbs.ox.ac.uk>
- Medicine in Africa: <http://medicineafrica.com/>
- Paragon Housing: <https://www.paragonchg.co.uk>
(Merged with another association so original site is no longer available.)