

Cole Maclean

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Experience

OXD Consulting Ltd, Vancouver, Canada

August 2019 to Present

Web Developer (full-time, contract)

- Lead dev responsible for launch of a client portal for BCI (British Columbia Investment Management Corporation) developed using Django, Wagtail and Preact
- Continued maintenance and feature development on BCI's client portal
- Development work on a system for the Alberta Ministry of Children's Services to manage care homes

Artefactual Systems Inc., New Westminster, Canada

February 2019 to November 2019

Python Developer (part-time, contract)

- Development and maintenance work on Archivematica, a digital preservation app written in Python
- Implemented Prometheus metrics throughout the application
- Refactored the core of Archivematica to improve scalability

BC Ministry of Environment & Climate Change Strategy, Victoria, Canada

February 2019 to May 2019

Web Developer (part-time, contract)

- "Code with Us" feature development project on GWELLS, an application mapping groundwater wells in British Columbia
- Implemented advanced search and filtering functionality using Vue, Leaflet.js and Django.

OXD Consulting Ltd, Vancouver, Canada

2017- 2018

Web Developer (full-time, contract)

- Development and maintenance work on pokemon.com, using the Django framework, CSS & JavaScript
- Migrated key parts of the site from Django 1.8 to Django 1.11
- Greatly increased unit test coverage
- Customized a Drupal 8 CMS extensively

Sinnwerkstatt Medienagentur GmbH, Berlin, Germany

2016

Web Developer (full-time, contract)

- Developed and maintained custom content management systems using the Django framework
- Worked on development of the Land Matrix Initiative data visualization Django project, using PostgreSQL and PostGIS extensively
- 100% remote

Zooey Consulting Limited, London, UK

July 2015 to November 2015

Back End Developer (full-time, contract)

- Indexed hundreds of millions of words from a series PDF documents in Elastic Search
- Added a full text document search API to an existing app using Python, Django and Django REST Framework
- Added layout management system to existing app

eMoov Limited, London, UK

December 2014 to June 2015

Back End Developer (full-time, contract)

- Developed the initial REST API for the emoov platform using Python, Django and Django REST Framework
- Handled publishing of real estate listings to other services, and import from data exports
- Deployed on Amazon Elastic Beanstalk

Sinnwerkstatt Medienagentur GmbH, Berlin, Germany

2011- 2014

Web Developer (full-time, contract)

- Developed and maintained internal web-based order and stock management systems for a variety of clients using the Tornado framework
- Developed custom content management systems using the Django framework
- Wrote plugins and developed themes for Magento based online stores using PHP
- Wrote custom Drupal modules and WordPress plugins using PHP
- Developed custom interactive graphs using HTML5 and raphael.js
- Remote worker from 2012

Storefront.com Online Inc., Vancouver, Canada **2004- 2010**
Senior Project Manager (full-time, permanent) **2007- 2010**

- Planned, deployed and updated software for a system which allows ordering and production of photos across the continental United States, including a consumer facing website and over 10,000 photo kiosk and lab management computer systems
- Served as primary contact for major clients, including photo industry multinationals and large retail chains
- Worked closely with development and systems teams to internally set targets and meet commitments
- Managed software internationalization efforts with partners in Germany, Japan and the UK, overcoming cultural and language barriers and time zone challenges
- Represented the company at numerous trade shows

Quality Assurance Manager (full-time, permanent) **2004- 2007**

- Supervised the Quality Assurance department, including hiring and letting go of employees, scheduling of employee shifts and management of testing schedule
- Developed initial test scripts (and executed them)
- Worked with software development team to validate testing procedures

Education

University of British Columbia, Vancouver, Canada **2003- 2004**
First year Liberal Arts

Technologies

- Python
- JavaScript
- Django
- Tornado
- Vue.Js
- React
- Preact
- Git
- HTML5
- CSS
- PHP
- Bash scripting
- SQL (MySQL, PostgreSQL, MSSQL)
- Elastic Search
- Redis
- Prometheus

References

Available upon request.