

Cole Maclean

+1 (604) 727-7655

hi@colemaclean.dev

Experience

OXD Consulting Ltd, Vancouver, Canada

August 2019 to Present

Web Developer (full-time, contract)

- Lead dev responsible for launch and continued maintenance and feature development on a client portal for BCI (British Columbia Investment Management Corporation) developed using Django, Wagtail and Preact
- Initial work on a system for the Alberta Ministry of Children's Services to manage care homes using Django, Django REST Framework, and Vue.js
- Worked on launch of a day use pass system for BC Parks using AWS Lambda and Angular
- Extensive cleanup of an existing CMS system for BC Parks using Gatsby

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 Django, CSS & JavaScript
- Migrated key parts of the site from Django 1.8 to Django 1.11
- Greatly increased unit test coverage
- Development work on a highly customized Drupal 8 CMS

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 using Python
- 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 using AWS services including EC2, S3 & Elastic Beanstalk

Sinnwerkstatt Medienagentur GmbH, Berlin, Germany

2011- 2014

Web Developer (full-time, contract)

- Developed and maintained an internal web-based order and stock management systems 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
- HTML
- CSS & SCSS
- PHP
- Bash scripting
- SQL (MySQL, PostgreSQL, MSSQL)
- Elastic Search
- Redis
- Prometheus
- Amazon Web Services (S3, EC2, Lambda, API Gateway, Cloudwatch)

References

Available upon request.