

Chris Lock - Application Developer

Location: Bristol

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I have been working as an internet programmer since 1999; I tend to focus on the engineering and implementation side of the development with a high focus on accessibility. I tend to leave the visual side of things to people who have more of an eye and knowledge for it.

In the past, I have worked with a variety of teams from large to small and even managed a small team myself. I have worked very closely with clients and am quite meticulous at gathering requirements then translating them to development tasks. This CV is cut down for brevity but a full history go to <https://catharsisjelly.github.io>

CORE SKILLS

PHP (15+ years)	Javascript (6+ years)	Node (3+ years)
JQuery (5+ years)	Databases (10+ years)	Apache & NginX
JS Frameworks e.g Vue	TDD & BDD	OO programming & design
Accessibility	Docker	Documentation
Consultancy	Deployment	Technical teaching
Business Analysis	Dev Ops (Linux & AWS)	SOLID principles

PHP FRAMEWORK KNOWLEDGE

Symfony, Yii, Zend Framework, Laravel

WORK EXPERIENCE

Propel Finance - Newport - Contract developer

Feb 2020 - July 2020

I was bought on to help finalise the work on the new version of their tool that creates the proposals for their customers. Their entire system was built using Laravel 5 with an upgrade to 6.x. My day to day tasks involved communicating with business analysts in order to understand the requirements and where necessary breaking down the tasks into smaller pieces to aid a more agile development before implementing them. These changes were usually in PHP and JavaScript and did include some Vue components.

A larger piece of work that I have been assigned has been helping them integrate their current system with an external service that is used to perform compliance checks. This integration has been done using a queueable job so that the requests to the external API do not hold up the user experience.

Skills Used: PHP, Laravel 5 & 6, OOP, MySQL, Message Queues, TDD

Everyday Loans - Trowbridge - Contract developer

May 2018 - August 2019

Their internal tool is a large Symfony 2.3 application using Twig templating that has had a lot of features bolted onto it and code rarely removed. I have been helping them to try and break down this behemoth and improve the current implementation. A lot of the older code is not using dependency injection in the manner it was designed. There are also very few unit tests and all integration testing was being done manually.

During my time I started instructing the dev team to begin to change some of the older code so that it did not always pull in the whole of the service container. The majority of the work was focusing on changing George Banco to begin to use the tools that are already being used by Everyday Loans. Additionally, I designed and implemented an OpenAPI microservice that could take payments for a loan provided by Everyday Loans, Trust Two and George Banco. This had a full suite of unit tests and some Behat tests which were implemented using Bitbucket Pipelines. There has been a significant amount of work done on closing some security holes that were highlighted during a penetration test.

Skills Used: PHP, Symfony 2 & 4, OOP, MySQL, Message Queues, TDD

Careplanner - Bristol - Application developer

March 2018 - May 2018

During my time with Careplanner, I was tasked to design and build a Symfony 4 OpenAPI system with the eventual end goal in mind to allow the current system (written using Drupal 7) to start to use it.

The initial work was mostly setting a good base to work from with the other developers. This included integrating a full OAuth2 token system for connecting to the API and to be used by external clients. I decided to not continue after my probationary period because although the people were great, there was an atmosphere within the development team that raised concerns for me and my own mental health.

Skills Used: PHP, Symfony 4, Drupal 7, BDD, OOP, MySQL, TDD

Biff Bang Pow - Oxford - Application developer

November 2015 to January 2018

Biff Bang Pow builds anything from small websites to larger-scale customised applications. Applications are built using Symfony or Silverstripe with Vue components on the frontend. Most of the larger projects are used as internal tools and proprietary software with as much automated integration as we could to ensure ongoing stability.

Biff Bang Pow also had a lot of legacy code from older clients that were slowly put under integration tests so as we rolled out newer components to a more up to date version of PHP we could ensure the functionality.

Skills Used: PHP, Symfony 2 & 3, Silverstripe, Vue, BDD, OOP, MySQL, NodeJS, TDD

Kainos - Bristol - Contract developer

May 2015 to September 2015

I was brought on to help finalise the digitisation of the MOT project for the DVSA. The work ranged from small bug fixes to new pieces of functionality with full tests. There was a fully functioning API talking to a front-end, all using the Zend Framework. I fulfilled code requests and

advised on accessibility, produced documentation and guidelines that were shared across the other teams. In my final few weeks, I was mentoring one of the newer developers into the system and teaching them more about unit testing, TDD and general good PHP practice.

Skills Used: PHP, ZF2, BDD, OOP, git, MySQL, TDD

iWantGreatCare.org - Oxford - Contract developer

March 2014 to April 2015

They aim to be the leading supplier of patient feedback aggregation and generation within the NHS and private healthcare sector. I was part of a small and closely-knit team using the Yii framework as well as other technologies in order to supply both a web and paper solution for patient feedback and analysing the results.

Skills Used: PHP, Yii, Phalcon, AWS, OOP, MySQL, TDD, Redis, NoSQL, Solr

Mind Unit - London - Lead Developer

October 2010 to December 2012

My responsibilities included code review and training junior developers, as well as planning ongoing development of the custom CMS and custom components for clients. During my time I heavily reworked the CMS to make it more SEO compliant and flexible. MindUnit also had an internal system that sent emails to people on client email lists, similar to how MailChimp works now. I re-built this from functional PHP to a full API using Zend Framework.

Skills Used: PHP, Javascript, LAMP, MySQL, Dev Ops, Mentoring & Teaching, OOP

Cognolink - London - Senior Developer

October 2008 to September 2010

Implementing and designing new features in the proprietary system to process and hold information about the experts on the network. This includes a full version control system to ensure that all changes made by internal staff and external experts were logged and reversible, if necessary.

I was also involved with the deployment of new code to the testing/staging environments, along with educating junior developers and code review.

Skills Used: PHP, Linux, MySQL, Graph Theory, Sphinx

BD Network - London - Senior Application Developer

January 2007 to October 2008

Being commissioned by eBay to re-work the Sell Your Item flow I took on the main developer role. The U.S. arm of eBay liked our version so much that they decided to build it into their core application. eBay has since moved the Sell Your Item flow on even further but I still have a screenshot of the "Quick Sell" flow <https://i.imgur.com/O0zFvF4.png>

Skills Used: PHP, perl, Linux, MySQL, eBay API

For older positions please see my online CV via <https://catharsisjelly.github.io>