

# Chris Hardcastle

## Software development engineer

A highly experienced, knowledgeable, software developer with more than nine years commercial expertise. Providing full stack development services in digital mobile, desktop and EPoS devices.

### Education

I have an upper second class Bachelor of Arts degree in Graphic, Media and Communication.

### Programming languages

- PHP (5/7), SQL, JavaScript, Node.js
- XML, JSON, AJAX, CSS, DOM, HTML and SVG

### Platforms and services

- Laravel, Symfony, Wordpress and YII PHP frameworks
- Node.js, Next.js, React, Redux and AWS Lambda
- Digital loyalty campaigns and schemes
- Ingestions, integrations, migrations and testing

(Please see last page for more information)

### Employment History

#### May 2019, Third Bridge

As a software development engineer, I transitioned to a more NodeJS orientated role. Using Microservices as a means to defuse a legacy monolith. I supported the team in the design and construction of serverless (micro) services on the AWS platform. These (SNS/SQS) services replaced internal manual workflows and improved communications for one half of their business users.

I provided test coverage, instructions and data sources to both technical and non-technical colleagues in the business. Including documentation as standard with swagger OpenAPI, complete with unit testing in frameworks such as Jest.

Beyond the team with other developers in the business, I helped establish a JavaScript community of practice for the engineering department. I also held a voluntary role as a "security champion" in a team to nurture the security culture of the business. This was a great exercise and exploration of the OWASP top 10 security threats.

#### August 2016 to April 2019, Eagle Eye Solutions (EES)

As a Senior Developer designing, building and delivering API endpoints and scripts on public API's within Eagle Eye's AIR platform. These were MVP's, custom and product features which handled requests from consuming apps, EPoS (cashier tills), CRM and retail systems all over the UK.

I designed, built and delivered a legacy XML based EPoS API, assisting and supporting the migration of new and existing, well known high street retailers to this service. I expanded a solution to include EES digital wallet products and consumer search for JDSPORTS.

Writing console based scripts to import coupon and consumer data for clients such as Thomas Pink and Clarks. I automated reports for financial transactions, campaign activity and consumer data.

## **January 2016 to August 2016, Splash WorldWide**

A project that managed the upload of media assets. I designed and built a data solution to reconcile an excel spreadsheet ingestion with a MySQL database. In this role, I also gained my language translation experience.

## **June 2013 to April 2016, *Various Development Positions***

Lead Developer at BAFTA, building a front-end single page application prototype for a digital MVP. Included experience with APIs and Amazon AWS infrastructure as a service, along with a React based technical spike and proposal.

Lead Developer and Consultant building a Zend based customer portal for Autoglass vehicle glass repair company. Managed the closure of their website branch pages.

Utilising my technical, create and management skills in various projects: 3D presentations, Wordpress sites, content management systems, website analytics, custom built app for iPhone, Android and iPads devices, e-learning management platform, database design and management.

## **Other Back-end Frameworks and Platforms**

- Amazon SNS/SQS design, configuration and deployment (queue based)
- Docker, Vagrant and virtual machines (for development and testing)
- Elasticsearch (Denormalised document storage and search)
- Facebook SDK and OpenGraph (social applications and data)
- Pitcher (iPad app based presentation distribution)
- POEditor and Wordbee (language translation services)

## **Other Front-end Frameworks and Libraries**

- React, Next.js, Vue.js for modern single page applications or apps
- Bootstrap, Foundation, Grid CSS, Web-fonts, SASS and LESS
- Vintage frameworks such as BackboneJS, Require, Underscore, Raphael
- Legacy JavaScript such as jQuery

## **Development operations**

- Apache and Nginx web server and configuration
- Package release design and management (composer, yarn)
- Development cycles and deployment strategies
- Linux, MacOS, SSH, SFTP, Terminal and SSH proficient
- Maintenance and authoring of swagger API documentation
- Subversion, GitHub, Git CLI and Git flow
- Jenkins and CircleCI (CI/CD) pipeline usage

## **Tools**

PHPStorm, Postman API Development Environment, Jira, Pivotal tracker, timesheet logging, Photoshop, Microsoft, AWS, product eco-systems. Platforms for social media apps including Facebook and Twitter.

## **Compliance**

ISO/IEC 27001 information security standard.