Steve Edson

Senior Developer • Dinnington, Sheffield

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Senior Full Stack Developer at Jaywing (https://jaywing.com), a leading, award winning creative agency in Sheffield.

💼 Career

Jaywing • Senior Developer (Senior from September 2017)

Sheffield

October 2015 — Present

Jaywing is a leading digital and creative agency based in Sheffield.

Experience and responsibilities include, but not limited to:

- Building a new stockist finder application for a global company, built using a Laravel REST API backend combined with Angular JS (v1) for the UI.
    - A wide range of Laravel features were implemented, including but not limited to caching, ACL policies, request validation, job queues, unit tests, console commands and Excel imports + exports.
- Server and DevOps tasks such as provisioning and upgrading servers across multiple platforms (AWS, Rackspace, Azure, Google Cloud, DigitalOcean) with multiple stacks such as Apache and Nginx.
- Created multiple cross platform (iOS, Android, WeChat and Desktop) applications for a global company, showcasing 360 videos, advanced 3D animation and interactive media, using technologies including Vue.js, VueX, Three.js + WebGL, with Phonegap as the build system. RESTful APIs were created to provide i18n support, with offline support provided via LocalStorage and IndexDB.
- Improving company workflow and procedures:
    - Migrating company projects from a third party VCS system to a self hosted Gitlab server.
    - Also implementing a custom deployment system alongside this.
    - Implementing and automating builds for 50+ projects, using a variety of languages, frameworks and dependencies, including PHP, JS, .NET, Static HTML and more. (Achieved using tools such as Gitlab CI with custom build Docker images, and Octopus deploy).
- Day to day tasks such as communicating within teams and with account managers whilst working to tight deadlines.
- Mentoring and working with junior members of staff, including code reviews and performance reviews, as well as fortnightly 1-1 catch ups.
- Investigating and resolving both internal and client support tickets across various systems and projects.
- Liaising with and helping other team members including Junior and Senior developers with code problems and solutions.
- Creating a range of front end digital display banners, using technologies such as Greensock, vanilla JavaScript and tools such as Hype.
- Varying work with Google advertising features such as tag manager implementations, and creating reporting dashboards through Google Analytics APIs.
- Implementing LetsEncrypt across production and staging sites
- Working with senior management across departments, advising on technical aspects of specification and proposal processes.
- Direct interactions with clients, including briefings and leading training sessions both off and on-site.
- Running scalable apps in Docker containers, using Traefik as an ingress and load balancer with LetsEncrypt.
- Integrating unit tests across projects using tools such as PHPUnit, Ava, Mocha and Jest.

🔖 Published Side Projects

- Fantasy Formula 1 (https://fantasyformula1.co.uk) - 2017-2018
    - A bespoke, invite only Fantasy F1 predictor built in Laravel 5.7 and Vue.JS.
- Shippy for Android (https://play.google.com/store/apps/d id=uk.co.steveedson.shippy) - 2015
    - Shippy is an Android app to manage Codeship (http://codeship.com) (a continuous integration service) projects and builds on the go.
- Various articles (https://steveedson.co.uk/posts) on my personal site
    - I enjoy reading and learning about new technologies and workflows that can improve my personal and professional work. After implementing these new technologies, I often aim to consolidate what I have learnt into a blog post, for the benefit of others.

🎓 Education

Newcastle University — 2009 - 2012

2.1 Information Systems with Business Studies - BSc

Relevant Modules

- World Wide Web and its *Client Side* Technologies
- World Wide Web and its *Server Side* Technologies
- Database Systems
- Interaction Design
- Website Design and Management
- Graphical User Interfaces

Wales High School, Kiveton Park — 2007 - 2009

A Levels:

- During my time at Jaywing I have also been learning .NET, with the Umbraco CMS to develop multiple CMS and eCommerce sites.

Aiir (Formerly known as G Media) • Developer

Sheffield

June 2012 — October 2015

Aiir is a creative technology company, that specialises in making products for the broadcast radio industry. *(G Media rebranded to Aiir in April 2015)*

Experience and responsibilities included:

- Learnt Android development from scratch and created new apps (http://aiir.com/services/mobile-apps/) for the company, including Juice FM (https://play.google.com/store/apps/details?id=com.utvmedia.juiceliverpool), Jazz FM (https://play.google.com/store/apps/details?id=com.thisisaim.jazzfm) and Jack FM (https://play.google.com/store/apps/details?id=com.gmedia.jackfmberkshire).
- Implemented push servers using Node.js to power the RadioFeed product.
- Improved the company's workflow and productivity by introducing and implementing GIT version control systems with continuous deployment.
- Helped migrate the company's technical infrastructure to AWS, saving money, and vastly improving performance and stability.
- Built an autoscaling solution, including creating and provisioning new linux servers, improving the reliability of the company when it was needed most.
- Helped build the third generation of Radioplayer (http://www.radioplayer.co.uk/), used by Stations across the UK and backed by the BBC, Global Radio, Bauer Media, and RadioCentre.
- Upgraded and added numerous features to the core bespoke Airwave CMS.
- Created a REST API to access the upgraded music databases that power the on air play out data across more than 120 stations.
- Maintained and upgraded Linux servers to help keep software up to date and secure.
- Designed and engineered a new Database and Caching framework to improve the performance and reliability of systems.
- Created a raspberry pi powered dashboard solution to monitor the technical infrastructure, improving uptime and reliability.

In addition to day to day tasks:

- Design, code, implement, document, test and debugging applications.
- Communicate with clients and partners, in a prompt, professional and concise manner.
- Assisting with day to day maintenance and running of products and services.
- Responding to technical support queries from clients, and offering appropriate solutions.
- Maintaining a high and consistent standard of work.

- ICT *(A)*
- Business Studies *(A)*
- Physics *(C)*

AS Levels

- Maths *(D)*

The Orchard School, Retford — 2002 - 2007

11 GCSEs including 2 A*'s, 8 As and 1 B

⭐ Skills

Back-end

- PHP - Laravel / Slim / Silex / Legacy Zend + Symfony applications
- MySQL and SQL Server
- Package managers: Composer, NPM, Bower, NuGet
- OOP
- Frameworks including Laravel, Slim and Wordpress
- PHPUnit
- NodeJS

Front-end

- HTML5
- SCSS / CSS
- JavaScript - Vanilla ES6+ / jQuery / Vue / Angular (1.0) / VuePress / Nuxt
- Advanced features such as Service Workers, Geolocation, Notifications, IndexedDB and LocalStorage

Cloud Platforms

- Nginx
- Apache

Others

- Gulp, Grunt
- Continuous Integration + Deployment

- IIS
- Serverless

AWS experience using:

- EC2, S3, SQS, SNS, RDS, CloudWatch, ElastiCache and Cloudsearch.

Similar experience with:

- DigitalOcean
- Azure
- Google Cloud
- Firebase
- Rackspace

- GIT
- Vagrant
- Ansible
- Docker
- Home Automation
- Photoshop