Luke Sims | Full-stack Web Developer | luke@lukesims.uk | +447484848595

Main Competencies

Familiar with: `PHP`

- OOP concepts and using them in PHP.
- Common design patterns (e.g. Factory or Singleton) and architectural patterns (e.g. MVC).
- Dependency injection.
- Database interaction via MySQLi, PDO or ORMs.
- Errors, exceptions, logging and monitoring.
- Manipulating and storing dates/times.
- Hashing and encryption - and when to use them.
- Authentication best practices with user credentials or via third parties with OAuth.
- TDD and testing with PHPUnit.
- Using Xdebug for remote debugging.
- Managing dependencies with Composer.
- Installing extensions via PEAR or from source.
- Security best practices such as:
  - Using CSRF tokens.
  - Escaping/sanitizing user input to prevent XSS.
  - Prepared statements to prevent SQL injection.
- Frameworks: `Laravel` `Symfony` `CodeIgniter`
- CMSs: `Wordpress` `Grav` `Directus`

Familiar with: `SQL`

- Available data types and when to use them.
- Foreign keys and querying relationships with joins.
- Constraints, indexes and aggregate functions.
- Query optimization.
- Variants: `MySQL` `PostgreSQL` `SQLite`

Familiar with: `MISC.`

`Linux` `Ubuntu` `Debian` `Bash` `Zsh` `Apache` `NGINX` `Vagrant` `Docker` `Docker Compose` `Redis` `Digital Ocean` `AWS` `S3` `EC2` `CloudFront` `LetsEncrypt` `Regular Expressions`

`Git` `Git Flow` `Github` `Bitbucket` `Jira` `Zendesk` `Trello` `Slack` `Notion` `G Suite`

`Photoshop` `Illustrator` `GIMP` `Inkscape` `LibreOffice` `Microsoft Office`

Familiar with: `JS`

- Using JS in the browser:
  - Adding functionality to server-rendered HTML.
  - SPAs with component-based markup in the JS.
- Using JS with Node.js:
  - Server apps for static sites and REST APIs.
  - CLIs for admin tasks or preparing website assets.
- Creating browser extensions and Photoshop scripts.
- New language features and proposals.
- Objects, classes, inheritance and prototype.
- Scope, hoisting, context and `"this"`.
- Apply, call, bind and function currying.
- Promises and `async`/`await`.
- Making HTTP request and using websockets.
- Debugging with Developer Tools.
- Manipulating the DOM.
- Garbage collection.
- Dependency management with NPM.
- CommonJS and ES modules.
- Frameworks: `Vue` `React`
- Bundlers: `Webpack` `Rollup` `Browserify`
- Syntaxes: `Flow` `TypeScript` `TSX` `JSX`
- Templating: `Nunjucks` `Liquid` `Pug`
- Testing: `Jest` `Jasmine`
- Task runners: `Gulp` `Grunt`
- Tools: `Babel` `ESLint` `Uglify` `Terser`
- Libraries: `jQuery` `Lodash` `Moment`

Familiar with: `HTML` & `CSS`

- Elements introduced by HTML5.
- Canvas and SVG.
- Preventing render-blocking.
- Animations with transitions and keyframes.
- Flexbox, grid and table layouts.
- Selector specificity.
- Responsive and mobile-first design.
- Methodologies (e.g. BEM, atomic CSS or CSS-in-JS).
- Frameworks: `Bootstrap` `TailwindCSS`
- Preprocessors: `Less` `Sass` `PostCSS`
- Tools: `Autoprefixer` `CleanCSS` `Stylelint`

*(This CV was made with **HTML**, **SCSS** and **wkhtmltopdf**)*

Experience

Luke Sims Web Development
Freelance Developer
Since May '16

Notable projects

Digital Strawberry LLC
Mobile App Developers
Texas, USA
Mar - Dec '19
`Contract` `Remote`

Full-stack PHP developer on a Laravel web app serving the APIs which their mobile apps utilise and the admin panel for managing the mobile apps.

Responsibilities included:
- Developing functionality for the admin panel, e.g.
  - Creating CRUD pages and reports.
  - Creating an internal image editing suite.
  - Creating pages for proprietary functionality.
  - Creating templates for transactional emails.
- Developing API endpoints for the mobile apps.
- Refactoring old/dead code.
- Creating automated tests for critical functionality.
- Integrating iOS subscription functionality.
- Creating a custom extension for Google Chrome.
- Managing NGINX configuration.

Under NDA
Travel Marketing Platform
Toronto, Canada
Aug - Dec '18
`Contract` `Remote`

Full-stack PHP developer on a public CodeIgniter web app which sold package vacations and the admin panel for managing the business.

Responsibilities included:
- Creating functionality for customer purchases.
- Creating customer support functionality.
- Creating functionality for managing the complex internal hierarchy of sales partners.
- Creating a system for calculating and executing sales partner commission payouts.
- Creating admin and reporting functionality.

Neo Optic Ltd
Web Development Agency
Norwich, UK
May '16 - Jun '17
`Contract` `Remote`

Responsibilities included:
- PSD to HTML/CSS/JS conversions.
- WordPress development.

- in https://linkedin.com/in/lukesimsuk
- https://github.com/lukesims
- https://stackoverflow.com/story/lukesims
- https://codepen.io/lukesims

Rent4sure Ltd
B2B SaaS Platform
Norwich, UK
Jul '14 - Jul '16
`Full-time` `Permanent`

Full-stack "systems developer" on a CodeIgniter web application that served both the customers and staff across every department in the business. I was on a team of 2-3 people whom were responsible for development of the core web application as well as other assorted IT tasks among the other departments.

Responsibilities included:
- Developing CRUD pages and reports.
- Developing unique pages and elements for ordering and managing the provided services.
- Developing charts and reports pages.
- Developing large SQL queries to produce reports.
- Developing CRM functionality for the sales team.
- Developing pages and functionality specific to our suppliers and partners.
- Upgrading the application's design.
- Managing database queries and migrations.
- Managing user groups and permissions.
- Interacting with the staging and production servers.
- Handling support tickets from staff and clients.
- Diagnosing issues with clients over the phone.
- Provisioning computers and network for the office.
- Developing complex integrations with APIs from our various credit and insurance partners.
- Testing and Q/A of new web application features.
- Developing an automated invoicing system.
- Ensuring compliance with data protection laws.

University of East Anglia
Accounting & Finance
Sep '11 - Jul '14

Newport Free Grammar School
A-Level and GCSE
Sep '04 - Jul '11