

Luke Steadman

4 Grewcocks Place, Earl Shilton, Leicestershire, LE9 7EH

Mobile: 07969 102984 **Email:** luke@steadweb.co.uk

Personal Statement

I'm a full stack software engineer with over 11 years commercial experience and 6 years of higher education, having a 2:1 BSc (with honours) in Internet Computing. I'm passionate about making robust, reliable software that's tested and well documented, mainly utilising JavaScript, PHP and Java. I have a devops mindset and I'm always keen to automate each part of the development / build / deployment process, using tools such as Github Actions, CircleCI, Ansible, and Terraform.

Employment (recent)

Sep 2019 – Sep 2020

Boots UK

Contract Lead Software Engineer

Working on a technical project that introduces Boots to a new way of engineering using modern JavaScript. Focusing on building a platform for an engineering team to build off. One of the main projects I have been involved in was to write a proof of concept to share a global header / footer. The Header / Footer POC involves tech such as server side rendering, css-modules and loadable components, GraphQL, AEM, functional components and cypress testing (functional). Notable achievements so far:

- Header / Footer POC to be consumed by many different types of applications
- Using Node 12.x server side and React 17.x for the client side
- Introduced the notion of shared components and libraries using Artifactory and Azure
- Devops mindset to deliver functional code using Jenkins pipelines
- Educating team to better standards in terms of (unit) testing, code coverage and standard practices such as DRY and SOLID principles.

Mar 2019 – July 2020

Elf at Work (Steadweb Ltd)

Lead Platform Engineer

New platform around employee engagement. Architected all of the platform, which includes API, App, Admin and Infrastructure. API written in NodeJS 12.x. Infrastructure sits on AWS and built using Terraform. Platform has been built as a SaaS, with mass user adoption in mind. Admin is written in React and the app is written in React Native. Both consume the same API with ACL permissions baked in. API tested using Jest and Cypress. Notable points regarding the platform:

- SOA / API driven design with an admin backend and app driven frontend. Both admin and app consume the same API
- AWS services consumed: Amplify, ECS, ALB, EC2, Lambda, Route53, S3 and SQS all provisioned with Terraform.
- API written in NodeJS 12.x, Admin written in React 16.x and App written in React Native 0.62x
- Code hosted on Github. Using Github actions for CI/CD.
- Docs written using OpenAPI

Apr 2019 – Sep 2019

Capp & Co
Contract Software Engineer

Supporting the Koru product, mainly written in JavaScript and Python. Leveraging AWS services including EC2, Lambda, S3, SQS, CloudFront, API Gateway, SNS and DynamoDB. Koru contains around 8 micro services and 1 monolith. Notable achievements:

- Stabilized production within the first few weeks by implementing a dead letter queue and monitoring around “bad messages”
- Added new functionality that allows Capp to integrate their own API with Koru via Lambda functions (JWT / API based)
- Automated specific deployments and workflows and configuration for specific services using S3, Terraform, TravisCI and Javascript.
- Added better logging support around various micro services
- Writing internal tooling for better visibility and maintainability of product (written in JS)
- Improved knowledge and support for team by setting up documentation

Jan 2019 – Mar 2019

TMWi
Contract Web Developer

Rewriting frontend and updating backend to work with a theme. Overhaul of functionality using DataTables and Chart.js. Removal of “dead” code (maintenance cleanup). Setup CI pipeline (using CircleCI) to run both JavaScript and PHP unit tests. Notable achievements include:

- Updating project from v1.x to v2.x
- Using webpack to build assets (CSS / JS / Images)
- PHP 7.1+ feature used in favour of old PHP 5.x
- Setup CircleCI
- Improved test coverage for existing and new functionality

Mar 2017– Jan 2019

First Utility
Senior Software Engineer

Writing micro apps / services in JavaScript / Node / React and Java. All micro apps using React and Node, which consume Java (8) based services. All micro apps / services utilize Docker, with a Jenkins pipeline for CI and Rundeck for CD. All apps and services are unit, integration and functional tested, using either jest / mocha and cypress for functional testing within the Node micro apps.

- Frontend using React, Redux, JavaScript (ES6), NextJS and Node (to serve the app)
- Multilingual, using JavaScript, PHP and Java.
- Devops culture, maintaining services / apps
- Extended usage of puppet, ansible, terraform, rundeck, jenkins (pipelines) and make
- Development, Staging, QA and Production all using Docker
- Introduced new git flow within team
- Have carried (or lead) certain projects from start up to production release

Employment (historical)

Oct 2014 – Mar 2017 **Jadu** - Software Engineer / Scrum Master
May 2012 – Oct 2014 **Propeller Communications** - PHP Developer / Senior PHP Developer
Jun 2010 – May 2012 **Blossom Digital** - PHP Developer

Technical Skills

Languages / Frameworks: JavaScript (ES5+), Node, React, Redux, Express, Java (8), PHP (5.3+), (H)MVC (CodeIgniter, FuelPHP, Laravel, ZendFramework(2, 3)), SQL (MySQL, PostgreSQL and MSSQL) and NoSQL (MongoDB, Redis, ElasticSearch).

Technologies used: AWS (EC2, Lambda, S3, SQS, CloudFront, CloudFormation, DynamoDB), Apache, Nginx, Varnish, Redis, MongoDB, Elasticsearch, Git, Hg, SVN, Phing, Fabric, Ansible, Puppet, Jenkins, Rundeck, Vagrant, Docker, PFSense, Traefik, Terraform, VMWare

Education and Qualifications

2006 – 2010 University of Derby
BSc (Hons) Internet Computing
Classification (with honours) – **2nd Class, Upper (2:1)**