

KARL NEWARK

Peterborough, UK | karl@karlcodes.com | +447493075290

SKILLS & ABILITIES

JavaScript / TypeScript	Node.JS
CSS / SASS	React
C#	CI / CD – Jenkins / Go
SQL Server / MYSQL	Python
Git	Mongo DB

EXPERIENCE



SENIOR SOFTWARE ENGINEER – BGL COMPARE THE MARKET
FEBRUARY 2022 – PRESENT

SOFTWARE ENGINEER
NOVEMBER 2018 – 2022

Joined Compare the Market as a Software Engineer in late 2018, worked the home insurance team, a pivotal project within my early responsibilities was facilitating the delivery of automated indicative quotes. Serving as the lead front-end developer for Home, I then played a crucial role in orchestrating the transition from Angular to React, closely collaborating with UX and product teams to enhance the overall customer experience.

In late 2021, I took on a new challenge by joining Mosaic, the team responsible for the company's shared component library. In this role, I produced configurable React components for use across the estate and implemented tooling for UI tests, analytics and error monitoring. Mosaic's React library allowed individual teams to focus on the product specific aspects of their journeys while ensuring consistency throughout the estate. Following this move, I was promptly promoted to Senior Software Engineer.

The Mosaic team evolved into a squad within the platform team, marking a departure from React and a renewed focus on a design system. I am particularly passionate about this project due to its success in improving accessibility and performance, making a tangible impact on the user experience. As part of the broader platform team, I led the charge in shifting towards a server-side rendered approach, utilizing Node.js, Alpine, TypeScript, and Nunjucks.

My commitment to user-centric, results focused development has led to leadership opportunities, including spearheading sub squads for key features and research. Notable examples include stress-testing proof of concepts, designing new libraries like analytics, and orchestrating the migration of older parts of the estate to the new platform.

Currently, I lead a diverse sub squad focused on developing a scalable, cross-product validation library. This library integrates both server-side and client-side validation, with a focus on delivering a consistent and scalable UX with minimum dev time.



WEB APPLICATION DEVELOPER –ADP

JULY 2015 – NOVEMBER 2018

Shortly before graduating in 2015 I accepted the position of web application developer at ADP. ADP is a US based multinational leader in payroll and human capital management services. Going from working on university projects to writing production code for critical payroll software for a critical large-scale proved to be a steep learning curve which presented me with a wealth of opportunities and responsibilities.

Upon starting I joined the newly formed SWAT team as a front-end developer, the SWAT initiative has a focus on rapid release, low risk UI changes, based on feedback from clients and service personnel.

Since its launch the impact and efficiency of the SWAT team has seen it grow to be a major initiative within ADP’s small business services division, responsible for major features around payroll and human capital management.

Some of my achievements included the development and maintenance of many jQuery UI components, taking responsibility for an Angular migration and redesign of major feature and improving tooling to introduce JavaScript unit testing across multiple runtime engines to the organisation.



WEB DEVELOPER - WELLDOING.ORG

London based startup

Sole inhouse developer

Bespoke directory site (Angular / PHP / MySQL)

WordPress content site (custom plugin development)

Email campaigns

Managing communications with third parties



WEB DEVELOPER (INTERN) – ZAZZLE MEDIA

WordPress plugin development

Agency work

MySQL

SEO focus

PRE-PRESS GRAPHIC DESIGN (INTERN) – R3 LINCS

Adobe Photoshop

Adobe Illustrator



Anglia Ruskin
University

EDUCATION

ANGLIA RUSKIN UNIVERSITY, CAMBRIDGE
COMPUTING AND INFORMATION SYSTEMS (1ST CLASS HONOURS)

Database optimisation

UI design

Digital imaging software

C# / PHP / Java / JavaScript / Visual Basic

Networking

Leader of hackathon society

PERSONAL STATEMENT

Some of my personal projects over the last few of years have been based around continuous integration/deployment using Jenkins and Docker, statistical analysis in JavaScript and various home automation experiments using Raspberry Pis. I am also a regular member of various meetup and user groups around Peterborough, London and Norwich and helped organise and run [Peterborough Stem Festival](#), an event organised by volunteers to give young children, teenagers and parents and opportunity to learn more about careers in STEM.

REFERENCES

GARETH BRADY, DESIGN SYSTEM ENGINEERING MANAGER
COMPARE THE MARKET

gareth.brady@pm.me
07484712663

DREW DRINKWATER, CHIEF APPLICATION DEVELOPER
ADP

drew.drinkwater@adp.com
01733 860100