

Jez McKean

I'm a web developer with more than 20 years of full-stack industry experience.

I've worked with a wide range of companies; from a two-person start-up, small web agencies, growing scale-ups, to a large national utility supplier.

Happy when delivering innovative solutions which push boundaries and exceed expectations, mentoring junior colleagues, working across departments, and collaborating with mixed teams.

Available for remote work or near Chandler's Ford, Hampshire, UK

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Professional Skills

- JavaScript / TypeScript, including Vue / Nuxt, React / Next, Vanilla and jQuery
- PHP, including various frameworks such as Laravel
- HTML & CSS, including Sass (SCSS), Foundation, Bootstrap, Tailwind
- User Experience (UX) centred development
- API creation and integration using XML & JSON
- PostgreSQL / MySQL, including creation and refactoring of database architecture and advanced querying
- Agile / Scrum / Kanban approaches
- A host of supporting industry skills, such as Bash Scripting, Version Control (Git, GitHub etc), build tools, etc.

Recent Employment

Optimise Everything, Remote

Senior Web Engineer (Full Stack), 04/2024 - (current)

Building new features, improving the user-experience and visual appeal of the customer-facing platform. Integrating our AI chat-bot. Adding to internal users' capabilities by building "Solution templates" for more efficient quote creation and administration. Building many new reporting features, allowing the identification of money- and energy-saving recommendations.

Updated the main web-based software to address security concerns and increase performance. Worked on AWS Lambda hosted node.js scripts which interact with third-party APIs.

Integration with 3rd Party data sources such as electricity usage, air quality, and people presence.

Gener8 Ads Ltd, Remote

Senior Frontend Engineer, 06/2022 - 11/2023

Completely rebuilt the users' web experience; website and web-app, improving user retention.

Overhauled Chrome extensions, bringing them in-line with new branding and UX levels.

Worked with TS/JS, SCSS, etc. in ReactJS (NextJS) projects. Collaborated with Backend API developers to build new features and improve performance. Some legacy-project maintenance for in-house tools.

Grip Events Ltd, Remote

Senior Engineer, 07/2021 - 06/2022

Learnt TypeScript to work with Angular (11+) for new and existing features of the end-user and in-house admin experience. Worked with the design team on UX matters. Enabled automated testing.

Utilita Energy Ltd, Chandler's Ford and Remote

Principal Web Developer, 06/2018 - 07/2021

Built a JavaScript (specifically Vue.js/Nuxt.js) Progressive Web App (PWA) along with its associated Laravel-based API backend to replace the dated web 'customer portal' with a leading-edge version with improved performance, superior UX and increased modularity.

- Added payments system handling several million pounds per day to the API and the hybrid app.
- Increased the app's user base to 275,000 customers.
- Won the Best App prize in the uSwitch Energy Awards 2020.
- Won the 2020 Southern Tech 100 'Best Use of Technology' prize from The Business Magazine.

Mentored and assisted the whole web team of 6 across the many varied projects supporting the business.

Senior Web Developer, 05/2017 - 06/2018

Led the development of a VueJS/Cordova hybrid app and an Alexa skill (NodeJS) for customers.

Jointly led development of various MVC Laravel website / web-tool projects.

Extensive SCSS and JavaScript development. Grew the web development team from 4 to 12 members.

Profound Works Ltd, Winchester

Senior Full-stack Developer, 06/2015 - 05/2017

Built hybrid mobile apps using AngularJS & SCSS for PhoneGap/Cordova.

Specified custom PHP developments. Built and maintained WordPress sites; selected, configured and designed & created WordPress plugins. Trained and mentored junior developers.

Remarkable Content Ltd, Winchester

Head Web Developer, 04/2013 - 06/2015

Led various Concrete5 CMS builds, theme & add-on development, WordPress builds and maintenance, including plugin creation, selection & configuration. Site administration, client support and training.

In-house CMS setup, theming and administration. Stand-alone static site creation (primarily front-end CSS/JS builds).

Debian/Centos server administration. Apache & PHP configuration. MySQL admin.

Jira and Confluence installation and administration. Domain name purchase and DNS administration.

Powder Blue Ltd, Winchester

Senior Web Developer, 08/2008 – 04/2013

Built complex yet usable business systems (covering staff tasks, rotas, CRM etc) both from scratch and building on existing code.

Created and maintained holiday booking (accommodation, flights, activities, equipment hire, etc) websites, most of which had 2-way interaction with third-party systems and APIs.

Provided maintenance and support for various legacy systems. Trained new staff, provided management of junior staff. Developed internal systems. Provided client relations and support.

Earlier work details available on request.

Education

University of Liverpool: **BSc (Hons) in Computer Information Systems.**

Shiplake College, near Henley-on-Thames: **3 A-Levels** in IT, Maths and CDT.

St Edward's School, Oxford: **10 GCSEs** in English, English Literature, Maths, CDT, French, German, Latin, Biology, Chemistry and Physics.

Other Qualifications

Foundation Certificate in DevOps from *DevOpsGroup*, 2020.

BCS Foundation Certificate in Agile from *BCS*, 2020.

Professional Diploma in UX Design from *UX Design Institute*, 2019.

Selected Interests

UX: of all things - not just screen/technology-centric.

Future of **energy:** especially regarding its generation (e.g. tidal, wind and solar power) and storage (e.g. home-batteries, microgrids).

Technology: 3D printing, Internet of Things; LoRa; Electric Vehicles; Home Automation.