

Jez McKean

Senior full-stack engineer with over 20 years' experience building and improving production web applications and APIs using PHP/Laravel, Vue/Nuxt, React/Next.js, and Node.js. Built an award-winning Vue/Nuxt PWA with a Laravel API handling several million pounds in daily payments and supporting more than 275,000 customers. Currently developing AI-assisted product features, including utility bill upload and analysis, while using Claude Code for approximately 90% of daily development.

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

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Professional Skills

AI-assisted development: Claude Code, GitHub Copilot · JavaScript/TypeScript: Vue/Nuxt, React/Next, jQuery · PHP/Laravel · HTML/CSS: SCSS, Bootstrap, Tailwind · REST/API integration: XML, JSON · PostgreSQL, MySQL, Elasticsearch · Git/GitHub, Bash, build tools · UX-focused development · Agile, Scrum, Kanban

Recent Employment

Optimise Everything, Remote

Senior Web Engineer (Full Stack) · Apr 2024 - Present

- Use Claude Code and other AI tools for approximately 90% of daily full-stack development across PHP/Laravel, JavaScript/Vue, and HTML/CSS/Bootstrap.
- Build customer-facing features, improve UX, integrate the AI chatbot, and develop reporting features that identify money- and energy-saving recommendations.
- Develop an AI-based bill-upload and analysis feature that automates rate updates, reducing manual processing and keeping customer data current.
- Address security concerns and improve the performance of the main web application.
- Maintain and extend AWS Lambda Node.js integrations, and develop PHP services consuming external APIs for third-party data including electricity usage, air quality, and inferred people presence.

Gener8 Ads Ltd, Remote

Senior Frontend Engineer · Jun 2022 - Feb 2024

- Completely rebuilt the user web experience across the website and web application, improving user retention.
- Overhauled Chrome extensions to align them with new branding and UX standards.
- Built React and Next.js features using TypeScript and SCSS, collaborating with backend API developers on new features and performance improvements.
- Maintained legacy in-house tools where required.

Grip Events Ltd, Remote

Senior Engineer · Jul 2021 - Jun 2022

- Learned TypeScript and worked with Angular 11+ on new and existing features across customer-facing and internal admin applications.
- Collaborated with the design team on UX improvements and enabled automated testing.

Utilita Energy Ltd, Chandler's Ford and Remote

Principal Web Developer · Jun 2018 - Jul 2021

- Built a Vue/Nuxt Progressive Web App and associated Laravel API backend to replace the dated customer portal, improving performance, UX, and modularity.
- Added a payments system handling several million pounds per day across the API and hybrid app.
- Increased the app's user base to 275,000 customers.
- Won the Best App prize in the 2020 uSwitch Energy Awards.
- Won the 2020 Southern Tech 100 Best Use of Technology award from The Business Magazine.
- Mentored and assisted a web team of six across varied business projects.

Senior Web Developer · May 2017 - Jun 2018

- Led development of a Vue/Cordova hybrid app and a Node.js Alexa skill for customers.
- Jointly led development of Laravel MVC websites and web tools.
- Built a CMS search feature using Elasticsearch.
- Developed extensively with SCSS and JavaScript, while helping grow the web development team from four to twelve members.

Profound Works Ltd, Winchester

Senior Full-stack Developer · Jun 2015 - May 2017

- Built hybrid mobile applications using AngularJS, SCSS, PhoneGap, and Cordova.
- Specified custom PHP developments and built and maintained WordPress sites and plugins.
- Trained and mentored junior developers.

Remarkable Content Ltd, Winchester

Head Web Developer · Apr 2013 - Jun 2015

- Managed Apache, PHP, MySQL, Debian/CentOS servers, Jira, Confluence, domains, and DNS.
- Led Concrete5 CMS builds, theme and add-on development, and WordPress builds and maintenance.
- Created, selected, and configured WordPress plugins for client projects.
- Built static websites using CSS and JavaScript and administered in-house CMS platforms.
- Provided client support and training.

Education & Qualifications

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

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 Personal Interests

The **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.