

DAVID ONASANYA

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Personal Statement

Solution-driven software engineer with 6 years' experience building and maintaining complex web and mobile applications using JavaScript (TypeScript), React, Vue and PHP (Laravel). Strong background in REST APIs, authentication, database design, and responsive UI, with hands-on experience improving performance, security, and usability across production systems in healthcare, social care, and commercial environments.

Core Qualifications

- PHP (Laravel), REST APIs, OAuth
- React Native (Expo)
- MySQL, GraphQL
- Cloud Deployment to AWSs
- JavaScript, TypeScript, React, Vue, Inertia, Jest
- Tailwind CSS, CSS3, HTML5
- Git, Docker, CI/CD
- PHPUnit, Sentry, Figma

Education

Bachelor's degree in information technology and business information system, Middlesex University, London. Graduated with First-Class Honors.

Aptech Education, Advanced Diploma in Software Engineering, Nigeria. Graduated with First-Class Honors.

Work Experience

Software Engineer, Next2Software

Stafford | 07/2023 - Present

- Delivered a multi-cloud management platform that centralises AWS and Azure accounts, providing access to cloud resources, budgeting, scheduling, monitoring, and automated container scaling. Used Figma to create a high-fidelity UI design, Inertia (React), TypeScript, and Tailwind CSS for the interface, and Laravel to coordinate cloud integration jobs, authentication, queues, caching, and role-based access control for multi-tenant systems, working with Azure Management and Graph APIs and the AWS PHP SDK, while leveraging Sentry for real-time error tracking and performance monitoring across backend and frontend systems to improve production stability and accelerate issue resolution.
- Worked closely with stakeholders and developers to deliver a web platform and PWA for a foster care service using Vue, Nuxt and Laravel. Implemented a dynamic form system and end-to-end onboarding so prospective carers can register interest, complete checks and training, and staff can design forms, review applications, and record a young person's life story and supporting evidence.
- Delivered multilingual features and content workflows on a client's existing web platform using Laravel localisation, enabling product and documentation localisation at scale.
- Delivered an internal meeting and calendar tool that integrates with company calendars using Figma, React Native (Expo), JavaScript (TypeScript), Tailwind and Azure Graph to streamline scheduling and reduce coordination time.
- Delivered an Electron application designed in Figma and built using React, CSS3, JavaScript (TypeScript) and Node/Express, running on a Raspberry Pi, for a domestic hot water tapping compliance testing system. Integrated over 30 sensors and implemented Web Socket-based data streaming, interpreting client requirements alongside the EN16147 compliance testing guide to replace a legacy application.
- Practised secure coding, code reviews, PHPUnit and Jest testing, and CI/CD.

Software Engineer, Partners for Endoscopy/PFE Group

Stoke-on-trent | 09/2022 - 07/2023

- Partnered with an AI/ML engineer to integrate a cloud-hosted model that identifies micro-plastics in air and water sample images. Designed the mobile prototype in Figma and implemented a mobile application using React Native (Expo) and Laravel, supporting image detection, sample observations, and user authentication and management.
- Engaged with stakeholders to define requirements and document suitable software and hardware technologies for an automated object identification and data capture system, integrated with existing equipment to track the handling and cleaning of endoscopes.
- Designed and delivered an automated object identification and data capture system using React and Laravel, reducing manual data entry time by 50% while improving traceability of medical device handling.
- Conducted rigorous testing of the system before and during implementation to ensure minimum disruption to the business.

Huthmans Real Estate – Full Stack Web Developer

London | 05/2019 – 05/2022

- Oversaw the design, implementation, and ongoing maintenance of the company's internal e-learning platform, supporting staff training across multiple departments powered by PHP (Laravel), MySQL, React, and Tailwind CSS.
- Developed and optimized RESTful APIs in PHP to handle assessments, user progress tracking, and course content management.
- Improved desktop and mobile usability by building responsive, user-friendly interfaces with React and Tailwind CSS.
- Designed and maintained MySQL database schema, ensuring efficient queries, data integrity, and reliable storage of user and course records.
- Improved platform performance and reliability through debugging, refactoring legacy code, applying best practices, and integrating sentry for real-time error tracking and performance monitoring across backend and frontend systems.

Certifications

- Certified Network Associate, Aptech Education
- Amazon Web Services AWS Certified Solutions Architect, Amazon Web Services
- Microsoft Certified: Azure Fundamentals