

Andre Simpson

Full-Stack Developer

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PROFESSIONAL SUMMARY

Computer Science graduate (BSc Hons, 2:1) with strong skills in PHP, Python, VBA, and data automation, combined with experience in React, Next.js, and database systems (SQL & NoSQL). I build reliable automation scripts, clean data workflows, and scalable tools that improve accuracy and efficiency.

EMPLOYMENT EXPERIENCE

Freelance Software & Web Developer

N15 Labs | Jan 2024 - Present

- Shipped small internal utilities and web UIs. Also, reusable components, form workflows, and admin-style pages for content/ops.
- Implemented accessibility fixes and Lighthouse-led performance improvements. Set up GA4, env configs, and basic CI checks.
- Wrote batch scripts in Python/Node for catalogue clean-ups and data formatting to reduce manual work.

Web Marketing Assistant

Staffordshire University | Sep 2024 - Jun 2025

- Maintained/debugged HTML/CSS/JS in production; delivered accessibility & UX improvements and performed cross-browser QA.
- Collaborated with designers/content teams; shipped safe, incremental changes with clear notes and handover.

Digital Marketing & SEO Intern

Tamworth Camping | Jul 2024 - Jan 2025

- Structured product data (SKUs, attributes) and built Python helpers to validate inputs before publishing.
- Contributed to reporting and content performance reviews using spreadsheets and basic BI charts.

EDUCATION

BSc (Hons) Computer Science (2:1)

University of Staffordshire | 2023 - 2025

Web Development: 77%

Web & AI: 70%

Web Frameworks: 60%

Final Project: 70%

KEY PROJECTS

SneakTrack — Real-Time Stock & Price Tracker

(Next.js (React) • TypeScript • Firebase • REST APIs)

Built a data intensive dashboard that normalises live product data, adds filters/watchlists/notifications, and exposes results via a performant, mobile-first UI. Implemented validation, retries, and structured logging to aid troubleshooting. (Final-year project, 70/100)

Codex Builder — Story-World CMS / PWA

(Nuxt 3 (Vue 3 + TypeScript) • Pinia • Tailwind • Firebase Auth)

Multi-entity CRUD (Characters/Items/Locations/Groups) with relationships, tags, and export flows. Offline-first behaviours, composables/stores for clean state, and accessible component architecture.

Content Optimiser Tool — AI-Assisted Research

(Python (Flask) • ChatGPT API • React)

REST API that scores topics and returns suggestions; handled rate limits/errors and provided concise API docs and sample requests.

TECHNICAL SKILLS

Frontend Development: Vue.js, React, Next.js, Nuxt 3, Tailwind CSS, JavaScript, TypeScript

Backend & Database: Node.js, Python, PHP, MySQL, Firestore, REST APIs

Tools & Workflow: Git/GitHub, Postman, GA4, CI/CD, Puppeteer, ChatGPT API