Alex Buchan

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London, UK

A highly motivated and friendly individual who has a passion for software development and building applications. Specialising in React tech stack, with experience in backend technologies such as Django and Strapi CMS.

Soft skills: self-motivated, strong communicator, dedicated, critical thinker.

TECHNICAL SKILLS

Technologies: React, Javascript, Jest, Python, Django, SASS, Next.js, Typescript, Postgres, Vite

Cloud Technologies: AWS, Heroku, Vercel

LINKS

**Portfolio:** https://www.alexbuchan.dev

Github: https://github.com/alexnyebuchan

LinkedIn: https://www.linkedin.com/in/alex-buchan-dev

EMPLOYMENT

Developer (September 2023 - Current) - Transport Planning Society | Freelance

Worked with business stakeholders to gather requirements. Developed a full stack application for TPS which allows clients to upload information through various sources. Used technologies such as React and Django.

* Communicated and collaborated with the business team.
* Selected the most suitable technologies to fit the customer’s needs. Decided on **Next.js** with **Django (python)** backend **REST api**.
* Used **Git** for managing the repository, increasing efficiency and reducing errors.
* Developed test plan based on acceptance criteria with business team to ensure application is robust.
* Utilised microservices design pattern with Heroku and Vercel for CI/CD.
* Used **Postgres SQL** for storing and managing data.

React Developer (November 2023 - Current) Chilterns AONB | Freelance

Currently spearheading the development of a new React plugin feature for Chiltern’s WordPress/PHP7 site, addressing crucial functional enhancements.

* Initiated the project by setting up the development environment using Ddev and **Docker** for seamless workflow.
* Leveraged expertise in **Typescript**, **WordPress**, SQL, and web development methodologies to start the implementation.

Tech Support (May 2018-October 2021) - Juno Records | Full Time

Managed tech support and customer service for the staff at Juno Records.

* Diagnosed and troubleshooted wide range of technical issues such as hardware repairs and use of sales software.
* Worked with a large team, demonstrating strong ability to work with others and collaborate.
* Mentored colleagues, helping them overcome issues using software and training new starters.
* Used multiple platforms such as Zendesk, eBay, Olark chat and phones to interact with customers and clients.
* Developed strong ability of the Juno software and how it operates with the database.
* Made use of custom Macros to automate and improve tasks.

TECH PROJECTS

An extremely passionate, ambitious developer, always building new applications for fun and to improve technical skills. These are hosted on github and can be viewed via personal portfolio.

CS50 Final Project

The Recipe Maker is a full-stack web application that takes as input the user’s perishable and non-perishable kitchen ingredients before making a fetch request to Chat-GPT to get suggested recipes.

* Demonstrates skills at fetching from API’s, in this case using the **Chat-GPT API** and **SDK**.
* Illustrates my diverse knowledge of languages, including HTML, CSS, vanilla JavaScript, Python/ Flask, SQL database.

Web Dev Fundamentals

This simple web application takes a key web development term and returns one at random, with a title and definition. Configured with Vite, Typescript and React.

* Demonstrates core understanding of development principles such as **AJAX**, **IDE**, **Client/ Server**, **HTTP/ FTP**, **TDD/ BDD**, **Frontend**/ **Backend**, **SEO**, **URL, GUI** and more.

Guardian Website Clone

A clone of the Guardian news website to demonstrate ability to translate user designs into a functional website.

* Utilises the Guardian news REST Api to provide real time news information.
* Translated designs from the real website into **Next.js** code.
* Designed with **SEO** best practices in mind.

ACADEMIA

University of Harvard / Edx (2023)

Certification: **CS50 Computer Science**

University of Sheffield (2011-2014)

Degree: Philosophy BA (2:1)

School

A Levels: Politics (A); Religious Studies (A); Music Technology (A)

AS Level: Economics (B)

10 GCSE’s: wide ranging, including Maths & English