Alex Buchan

alexnyebuchan@gmail.com
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, Python, Django, SASS, Next.js, Typescript, Postgres, Vite
Cloud Technologies: AWS, Heroku, Vercel

ACADEMIA

University of Harvard / Edx (2023)	*University of Sheffield (2011–2014)*
CS50 Computer Science	Degree: Philosophy **BA** (2:1)
IBM	GCSEs and A Levels in addition.
Introduction to **Artificial Intelligence**	

LINKS
Portfolio: https://www.alexbuchan.dev
Github: https://github.com/alexnyebuchan
LinkedIn: https://www.linkedin.com/in/alex-buchan-dev

FREELANCE
Developer (September 2023 – Ongoing) – Transport Planning Society
Worked with client to gather requirements. Developed a full stack application for TPS main website which allows clients to upload information through various sources. Used technologies such as React and Django to create the closed user system.

- Communicated and collaborated with the skills 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 troubleshooting 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.
- Gained expertise in Typescript, WordPress, SQL, and web development methodologies to start the implementation.

EMPLOYMENT
Tech Support (May 2018–October 2021) – Juno Records | Full Time
Managed tech support and customer service for Juno Records.
- Diagnosed and troubleshooted wide range of technical issues such as hardware repairs and use of sales software.
- Worked with a team of 7, 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 with the Juno software and how it operates with the database.

PROJECTS
I'm always building new applications for fun and continuous professional development. 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.
- Employed Test-Driven Development (**TDD**) practices through **Jest** for robust code testing and validation.

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.

REFERENCES
Aadam Ishmael –Senior Frontend Developer (SEA)
Website: https://www.sea.live/
Mentor/Tutor in Frontend Development
Email: aadam@crabclaw.co.uk

Others available upon request,