GABRIEL PEREIRA• SOFTWARE ENGINEER, DEVELOPER, QA TESTER .

gabbipereira03@gmail.com • Phone: +447753187713 • London.

linkedin Profile • Github, 35+ Projects • Portfolio website.

I am a skilled full-stack developer and educator with expertise in creating web applications, teaching computer science, and music technology. My work combines technical development such as designing scalable backend services and user-friendly interfaces with innovative projects, like e-commerce platforms and note-taking applications. I also provide tailored education in programming, music production, and IT.

TOP 3 FULL-STACK PROJECTS

MemoMingle · May 2024 · Note-Taking Application (HTML, CSS, JavaScript, Python, Auth)

MemoMingle is a note-taking app for creating, editing, and organising notes with tags and search functionality. Built with **Flask**, **MongoDB**, and **JavaScript**, it features user **authentication**, secure note management (CRUD), and real-time operations. Deployed on **Vercel**.

Family Hub · Oct 2024 - Family Management Application (JavaScript, Node.js, MongoDB, HTML, CSS)

Family Hub is a user-friendly app designed to simplify family organisation. It features a genealogical tree builder, a calendar for tracking important dates, and a blog for sharing family news and updates. Built with **HTML5**, **CSS3**, and **JavaScript**, the responsive design ensures seamless use across devices. Powered by **Node.js**, **Express.js**, and **MongoDB**, the app offers secure data management and role-based authentication. Deployed on Render.com, Family Hub combines scalability, interactivity, and intuitive features to streamline family connections in a modern, engaging way.

DocEcho ·Dec 2024 - PDF-to-Speech/Translation Web Application (Python, Flask, SQLite)

This app lets users upload PDFs, translate them into multiple languages, and convert them into audio files using a credit-based system. Built with **Flask** and **SQLite**, it features secure **authentication**, **Stripe payment** integration, and support for multiple languages via the **Google Translate API**. PDF text extraction (**PyPDF2**) and audio generation (**gTTS, pydub**) ensure smooth processing, while deployment on **Render.com** with persistent storage guarantees reliability. With asynchronous task handling, progress tracking, and customisable pricing, the app offers a seamless translation and text-to-speech experience.

TOP 2 SOFTWARE CREDENTIALS

Diploma In Full Stack Software Development · Code Institute

650 Hours Study with 5 Projects Including Javascript, Flask, Django, Python, Sql, React, Node.Js Jest, Playwright · *Credit Rated By Bristol College* · Started Jan 2023, graduated May 2024. Grade: Distinction

100 Days of code : The complete Python pro Bootcamp. Web scraping, pandas, Numpy, Plotly

Demonstrated Expertise In Python, Rest API through, 80 hrs Study,
Nov 2024

TRANSFERABLE SKILLS

I am a versatile full-stack developer and educator with expertise in JavaScript, Python, Django, and React. With over four years of teaching experience, I've implemented automation tools and technology-driven solutions to optimize workflows and foster collaboration. My multidisciplinary background in programming and music technology enables innovative problem-solving and adaptability across industries.

PORTFOLIO WEBSITE

For all frontend and backend projects, credentials and full work experience, **GabrielPereiraWebsite**