GABRIEL LOPES PEREIRA

Full Stack Developer

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PROJECTS

DocEcho – PDF to text and audio Translation

📅 10/2024   📍 London, United Kingdom

🔗 https://docecho.fly.dev/

Python, Flask, Celery, Redis, PostgreSQL, gTTS, Google Translate API, Docker

- Converts PDF documents into multilingual text and audio using text-to-speech
- Built scalable architecture with Flask, Celery workers, and Redis for async processing
- Supports 14+ languages, progress tracking, customizable speech, and Stripe-based credit system
- Handles 500+ documents weekly with responsive, modern glass morphia UI

Thereafter – Live Music Streaming Platform for Electronic DJs

📅 04/2024   📍 London, United Kingdom

🔗 https://thereafter.world

React, TypeScript, Supabase, Mux, Vite, Tailwind CSS

- Increased user engagement by {25%} by developing a sleek, responsive live-stream DJ web app
- Integrated Mux for RTMP-based live video streaming with adaptive HLS playback and real-time viewer tracking
- Developed user authentication, profile management, and custom notification systems using Supabase and Resend

MoodMidi - advanced MIDI editing tools

📅 02/2025   📍 London, United Kingdom

🔗 https://moodmidi.netlify.app/

React, TypeScript, Tone.js, Supabase, Magenta.js

- Modern web app for composing and transforming MIDI with AI and style transfer
- Piano roll editor with real-time playback, velocity control, and intuitive UI using Konva and MUI
- Includes genre-based style transfer, re harmonisation, transposition, and Magenta-powered randomization
- Supabase backed project system with cloud storage, login, and secure data sync
- Deployed on Netlify with CI/CD, fully responsive and optimized for musicians and producers

Luis Angel Garcia – Photography Astronomic Portfolio

📅 05/2025   📍 London, United Kingdom

🔗 https://luisgarciafoto.netlify.app/

React 18, TypeScript, Tailwind CSS, Vite, Framer Motion, Supabase

- Portfolio of astro photography featuring deep sky, lunar, and planetary images
- Admin panel with secure Supabase authentication for content management
- Responsive gallery with category filters and smooth animations using Framer Motion

Pitch-shift – Audio Speed Control Application

📅 11/2022   📍 London, United Kingdom

🔗 https://moodloop.netlify.app/

Next.js 14, TypeScript, Tone.js, LameJS, Tailwind CSS, Kinde Auth

- Web app for adjusting audio playback speed in real-time (0.1x–4x)Dual download options: export played section or full processed MP3
- Built custom audio effects with Web Audio API and responsive UI with Bootstrap

WORK EXPERIENCE

Freelance App and Website Developer

Freelancer

📅 03/2025 - 09/2025   📍 London, UK

- **Designed** and developed custom web and mobile applications for clients across tech, education, and creative industries
- Delivered full-stack solutions using **React**, **Django**, **Node.js**, **MongoDB**, and **Tailwind CSS**
- **Implemented** secure authentication (OAuth/JWT), responsive UI/UX, and third-party API integrations (e.g., Stripe, Google Maps, OpenAI)
- **Managed** client relationships, ensuring timely delivery, **SEO optimization**, and post-launch support
- Boosted client engagement by 40% by **implementing** state-of-the-art UI/UX elements and **A/B testing** features
- **Collaborated** with cross-functional teams including designers, marketers, and product managers on live projects
- **Promoted** projects across social media and online communities, increasing visibility and user acquisition

SUMMARY

Portfolio GitHub Creative and results-driven Full Stack Software Engineer with proven expertise in building and maintaining RESTful APIs, interactive UIs, and scalable applications using JavaScript, Python, React, and Node.js. Strong foundation in both frontend and backend development, cloud platforms, and DevOps. Distinction-grade graduate of Code Institute's Level 5 Diploma in Full Stack Web Development, with a rich background in music technology, graphic design, and IT education. Demonstrated success in Agile environments, delivering user-centric, performant solutions. Passionate about continuous learning, emerging technologies, and collaborative development.

SKILLS

JavaScript (ES6+)		Python	Agile	
TypeScript	AWS	HTML	CSS3	
Bootstrap	C++	SQL	Django	Docker
Node.js	Express.js	Flask	FastAPI	
REST API	GraphQL	Flask	PostgreSQL	
MongoDB	Git	GitHub	Jest	Firebase
Playwright	Selenium	Kubernetes		
Jenkins	CI/CD	OAuth 2.0	AI	JWT
Kubernetes	Logic Pro	MongoDB	Next.js	
Next.js	OAuth	Photoshop	NoSQL	Azure
Figma	Vue.js	Angular	LangChain	
JUCE				

KEY ACHIEVEMENTS

💎 **User Engagement Growth**
Developed applications handling over 1,000 Monthly active users.

💎 **Student Performance Boost**
Increased student assignment completion by 25% through curriculum adaptation.

💎 **Student Retention Increase**
Retained 40% more students with personalized teaching methods.

💎 **E-commerce App Success**
Maintained an e-commerce app serving 100+ transactions monthly.

TRAINING / COURSES

DB0211EN: Django Application Development with SQL and Databases
IBM Verified Certificate.

LANGUAGES

English
Native   ●●●●●

WORK EXPERIENCE

Computer Science Teacher

The St Marylebone CE School

📅 04/2024 - 07/2024 📍 London, United Kingdom

- Delivered engaging lessons in Python, HTML, CSS, and Scratch to students in Years 7-11
- Adapted curriculum for varied learning needs, resulting in a 25% increase in assignment completion
- Integrated Google Classroom, Replit, and online assessment tools to streamline workflow
- Boosted school-wide technological competence by implementing coding workshops impacting 500 students

Computer Science Teacher

Holland Park Secondary School

📅 03/2023 - 05/2023 📍 London, United Kingdom

- Created and delivered lessons in Python, Replit, and Scratch for Years 7-12
- Enhanced digital literacy by 30% through executing IT initiatives and collaborative projects
- Initiated after-school coding sessions to support learners' progression
- Achieved an 85% student satisfaction rate by incorporating hands-on projects and coding challenges

Computer Science Teacher

Warlingham School

📅 01/2024 - 03/2024 📍 London, United Kingdom

- Created and delivered lessons in Python, Replit, and Scratch for Years 7-12
- Designed coding projects aligned with national curriculum standards, improving student engagement by 30%
- Contributed in delivering Contributed in delivering assessments that helped identify and elevate underperforming students
- Enhanced student learning outcomes by 25% through personalized mentoring and support

Music Technology & IT Tutor

London School of Electronic Music

📅 07/2022 📍 London, United Kingdom

- Delivered 1:1 training in DAWs, DSP, and game audio, tailored to student goals
- Integrated FMOD and Unity for interactive sound design training
- Boosted student retention by 40% through personalized, relaxed teaching methodology
- Managed a digital library of 500+ educational resources for music theory and technology

Freelance Graphic Designer

Freelance

📅 03/2003 📍 London, UK

- Created brand identities, merchandise, and promotional assets for musicians and companies
- Worked on more than 100 visual projects across print and digital media
- Tools used: Photoshop, Illustrator, After Effects, InDesign
- Improved client engagement by 30% through innovative design solutions

EDUCATION

Level 5 Diploma in Full Stack Software Development

City of Bristol College & Code Institute

📅 01/2023 - 01/2024 📍 Bristol, United Kingdom

- (Distinction)
- City of Bristol College & Code Institute
- Tech stack: HTML, CSS, JavaScript, React, Python, Django, Node.js, Git, Agile, Testing

Master's in Audio Engineering

University of West London

📅 01/2018 - 01/2021 📍 London, UK

- (Merit)
- University of West London - London College of Music
- Focus: Game Audio, Digital Audio Design, Dolby Atmos, Spatial Composition

BA in Audio Systems

London Metropolitan University

📅 01/2004 - 01/2008 📍 London, United Kingdom

HND in Music Production & Business

South Thames College

📅 01/2001 - 01/2003 📍 London, United Kingdom

LANGUAGES

English
Native ●●●●●

French
Native ●●●●●

Italian
Intermediate ●●○○○

Portuguese
Native ●●●●●

Spanish
Native ●●●●●

INTERESTS

Programming

Sound Design

Touch designer

Machine Learning

FIND ME ONLINE

🌐 **LinkedIn**
https://www.linkedin.com/in/gabriel-pereira-0a8761226/

🌐 **GitHub**
https://github.com/Moodyw03