

Contact

hello.jamie@protonmail.com
+44 (0) 7881 820 789

github.com/JamieRobertson
linkedin.com/in/jamie-r
jamierobertson.github.io

Jamie Robertson

I am a **full-stack developer** with over 8 years of professional experience working with **Python** and **React JS**. In my latest role I worked for a music streaming startup that employs machine learning algorithms to modify and mix the audio data. The product is called Stem FM.

Experience

STEM FM by STEM Tech

Music streaming platform and product collaboration with Kanye West

[stem.fm](#) | [stem.tech](#) | London

TypeScript | React Jest | Cypress Python | Flask | FastAPI Terraform | AWS Azure CI/CD Docker Airflow
Stripe | Shopify Spotify Postgres | DynamoDB

Full Stack Developer

Jun 2023 - Oct 2025 (2+ years)

- full-stack development of stem.fm, a music streaming platform that employs machine learning algorithms to modify and mix the audio data
- development of stemplayer.com, a React web app and collaboration with Kanye West, that uses the WebUSB API for seamless communication with the StemPlayer, an audio mixing device, transforming it into an innovative audio streaming and mixing platform
- backend development of robust APIs supporting various functionalities within the web app, including intelligent music splitting through machine learning algorithms
- integration of payment APIs (Shopify/Stripe) for subscriptions and purchases, optimizing the e-commerce experience
- design and implementation of a business model for the product: collection and analysis of listening data from streaming audio to determine payouts for artists based on a user's data, and implementation of a paywall business model through user authentication, permissions and temporary user identification

Kano Computing

Web apps, DIY computers and coding kits for kids

[kano.me](#) | London

TypeScript | React Jest | Cypress Python | Flask | Django Terraform | AWS Azure CI/CD Docker Airflow
Stripe | Shopify Postgres | DynamoDB

Full Stack Developer

Jun 2021 - Jun 2023 (2 years)

- development of Kano World, a suite of engaging web applications aimed at teaching children coding skills and fostering their creativity
- integration of payment APIs (Paddle/Shopify)
- inherited / migrated serverless Django e-commerce backend from consultancy to bring in-house

Reason Studios

Music production software

[reasonstudios.com](#) | Stockholm

JavaScript | React Python | Django Sass Jenkins Vagrant | Ansible AWS | Docker Postgres | MySQL

Full Stack Developer (consultant)

Dec 2018 - Jun 2021 (2y 7m)

Full Stack Developer

Nov 2017 - Dec 2018 (1y 1m)

Frontend Developer / Design

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Feb 2014 - Nov 2017 (3y 9m)

- led the design and development of digital synth plugin shop, successfully rewriting from pHp/ColdFusion to Django/React
- conducted data analysis and user segmentation to drive engagement and enhance overall user experience
- developed marketing automation strategies using Salesforce APIs, resulting in improved efficiency and effectiveness of marketing campaigns
- played a key role in infrastructure development by transitioning from Vagrant and Ansible to AWS and Docker, leading to enhanced scalability and performance of web applications
- created internal analytics dashboards to provide real-time insights and enable data-driven decision making within the company

Monki

Fashion brand

[monki.com](#) | Stockholm

Photoshop Illustrator InDesign JavaScript AppleScript Wordpress HTML | CSS pHp

Graphic designer / Final art

Apr 2013 - Jan 2014 (9m)

- Design for a range of material for print and web.
- Development of online campaigns for monki website.
- Design and development of internal sites to be used by store employees.

Bright Young Things Tuition

Customized tutoring services

[BYT](#) | London

PhoneGap JavaScript Objective-C HTML | CSS Adobe Creative Suite

App Designer / Front End Developer (Consultant)

Sept 2012 - Mar 2013 (7m)

- Designed & built a multiple-choice question mobile app using PhoneGap. App was marketed as a freemium app on both Apple and Android stores.

Education

Edinburgh College of Art - University of Edinburgh

Visual Communication

Graduated 2010

My Github profile

[github.com/JamieRobertson](#)

Most of the projects I work on are in private repositories.

Some things are publicly available, like [forked repos](#) and [personal projects](#).