

Contact

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Jamie Robertson

I work as a **full stack developer** for music streaming startup, [STEM FM](#) — deconstructing music into its constitutive parts and building it back up in new and exciting ways using machine learning algorithms.

Experience

STEM FM by STEM Tech

Music streaming platform and product collaboration with Kanye West
[stem.fm](#) | London

TypeScript React Jest Cypress Python Flask AWS Azure Docker Terraform Airflow Stripe
Shopify

Full Stack Developer

Jun 2023 - Oct 2025 (2+ years)

- Developed and enhanced stemplayer.com, a React web app 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.
- Developed stem.fm, a music streaming platform that allows artists to upload and monetize their music, and fans to discover and support their favorite artists.
- Leveraged Python to build robust APIs supporting various functionalities within the web app, including intelligent music splitting through machine learning algorithms.
- Successfully integrated payment APIs (Shopify/Stripe) for subscriptions and purchases, optimizing the e-commerce experience.
- Designed and implemented music streaming analysis tools and logic for attribution of royalties and payouts to major music labels and independent artists.

Kano Computing

Web apps, DIY computers and coding kits for kids
[kano.me](#) | London

TypeScript React Jest Cypress Python Flask Django AWS Azure Docker Terraform
Airflow Stripe Shopify

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.
- Successfully integrated 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 Sass Python Django Jenkins Vagrant/Ansible

Full Stack Developer (consultant)

Dec 2018 - Jun 2021 (2y 7m)

Full Stack Developer

Nov 2017 - Dec 2018 (1y 1m)

Frontend Developer / Design

Feb 2014 - Nov 2017 (3y 9m)

- Led the design and development of digital synth plugin shop, successfully rewriting from pHp/ColdFusion to Django/React.

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- 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

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](#).