

## Contact

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# 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](https://stem.fm) | [stem.tech](https://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](https://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](https://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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- 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](http://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](http://BYT.co.uk) | 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](https://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](#).