

Phillip Parker

Curriculum Vitae

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Profile

I am a full-stack (TypeScript) developer based in London, UK who is passionate about building scalable and robust applications. I aim to write modular, testable code while employing pair/mob coding and agile best practices such as iterative design, burndown charts and trunk-based development.

Education

University of York | 2009 - 2012

BSc Honours 1st Class, Music Technology

Additional: Awarded prize and certificate for the highest marked dissertation project on the BSc Music Technology Course

Experience

AI Music

Full-stack Developer | June 2018 - present

AI Music is a company exploring what happens when you apply the latest techniques in artificial intelligence to music to create premium and exclusive content.

Ossia

Worked as part of a team to create the iPhone app, Ossia. The project utilised React Native, Superpowered, GraphQL and ArangoDB to allow users to easily generate remixes by mixing different vocal and backing tracks. Users can save remixes to their library and explore chill out, party and workout remixes of each track already created.

Ad insertion

Assisted building an API pipeline to programmatically insert advertising into extended mixes. The project was created using AWS step functions with Amazon's Elastic Container Service to spawn Python tasks that run DSP (aided by machine learning) to calculate insertion points in a mix.

Advert Creative Studio

Worked on a project aiming to build around a Python remix algorithm designed to intelligently restructure songs. This project used AWS's new Amplify package to generate a GraphQL backend in Appsync. DyanmoDB was employed as the Datastore and Lambda pipeline resolvers were used to spawn Python tasks that generate remixes into S3 buckets to be streamed as signed URLs.

The frontend used React with Apollo to connect to Appsync as well as Howler.js to play and manipulate audio.

Coding Methodologies

Scrum with Agile best practises.

Your Favourite Story

Front-end Developer | October 2016 - June 2018

Your Favourite Story is a young and vibrant product launch agency based in Shoreditch, London, helping to engage clients such as Dewalt, Massey Ferguson and Mercedes-Benz.

Truck Dealer Locator

Lead developer on the Mercedes-Benz Truck Dealer Locator, created as a PWA web app using Vue and the Google Maps API to provide location and direction information to Dealer outlets in the UK.

Design System for Point of Sale products

Worked as part of a team to create a design system for Mercedes-Benz Point of Sale systems deployed as interactive displays in Dealer outlets. The project utilised Vue Design System to create standardised components as well as tokens, elements, patterns and templates to enable future products to be constructed quickly and efficiently.

Coding Methodologies

Kanban.

Your Favourite Story

Technical Content Manager | January 2015 - October 2016

Tasked in working around the limitations of their CMS system by thinking of creative ways to embed bespoke web apps. Other duties included managing junior members of the team while working to tight deadlines by prioritising tasks for both myself and other members of the team.

Digital Annexe

Web Content Administrator | December 2013 - January 2015

Digital Annexe is a full-service digital marketing agency, combining analytics & insights to create results-driven creative solutions.

Tasks included updating and maintaining smart car websites - UK, Australia/New Zealand markets. Creating and populating webpages within the boundaries of a CMS and using templates to implement the most appealing and user-friendly webpages for the smart car brand

Side Projects

Minipops

<https://github.com/Sound1ab/minipopsnative>

Minipops is a vinyl search, discovery and buying app built with React Native. The app aims to help users find good deals on vinyl by comparing prices across different buying platforms. The app also features a notification system to alert users when a favourite vinyl is selling on eBay without the need to watch those vinyl manually.

Pretty Good Key

<https://www.prettygoodkey.co.uk>

Pretty Good Key is a simple password generator. The PWA takes a key and a salting passphrase to generate a unique password.