

Sam Hartley | Software Developer

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Experience

Vocational.....

Karma

London

Software Developer

Jan 2017–Oct 2019

Wide-ranging experience of leading multiple types of projects - including web apps, mobile games and internal tools. Responsible for hiring new developers and working alongside them to bring them up to speed.

Projects at Karma

- Live streaming microsite for *Saks Fifth Avenue Christmas Light Show with Disney*:
 - During the live stream, users could switch between several live feeds to choose their desired perspective
 - Before the stream, users could select from a grid of pre-show teaser videos
 - Backend control panel allowed producers to upload slates with images, videos or a live countdown and push one to live so that users could see it in real time
 - Used the MeteorJS framework
 - Deployed on AWS Elastic Beanstalk for scalability, with content served from a CDN for high availability
- Moderation system for social media comment overlays:
 - Allowed user to moderate streams of comments from Facebook posts, YouTube videos and Twitter posts
 - Comments were retrieved using the API of each social media platform
 - They were then converted into a unified data structure and inserted into a highly available sharded database (using mLab)
 - A moderator could choose comments to be promoted so that they were available as JSON objects by querying the app's API
 - The on-air graphics software (CharacterWorks) could then display them over the live feed in real time
 - Chat show presenters have a tablet displaying them so that they could read them to their guests
 - The presentation layer was cleanly separated so that the moderation panel could easily be rebranded per client

Education

Hull College

Hull

BTEC Level 3 Software Development, Triple Distinction

2011–2013

Extracurricular

Game development: Working on a couch multiplayer game (gameplay videos available on twitter)

Snooker: Played to semi-professional level individually, also played on teams in local leagues

Piano: Keen and competent piano player, specifically enjoy playing ragtime

References

References are available upon request.