

Profile

Front end developer based in London, working for the BBC in Visual Journalism. Interested in data visualisation and storytelling using web technology, including building interactive features and creating data vis – from collating and wrangling data through to the final output in SVG or Canvas.

Employment History

BBC – Visual Journalism Developer (August 2017 – current)

Developer for a newly created World Service Visual Journalism team, building mobile-first interactive content for BBC News websites in the Near East region. I have been involved in pitching and building interactive features for BBC Arabic, Persian, Turkish, Pashto, Uzbek and Kyrgyz websites.

We are focused on internationalisation, page performance and RTL CSS/SVG code, tailoring the tech stack for the requirements of the project (including native ES6, d3.js and reusing internal modules built for previous BBC output).

Tech: ES6 JS, HTML5, CSS3, d3.js, AWS Lambda, NodeJS

Training: Big Data (AWS/Hadoop), Cucumber/Gerkin, Product Management

Amalytics Ltd – Front End Lead Developer (August 2016 – August 2017)

Front end lead/d3.js developer for data visualisation project management platform, including line management of two front end developers.

Tech: d3.js, Angular 1.x, Bootstrap

- Managed the front end team workload and reporting to management.
- Client facing responsibilities - conducted stakeholder demonstrations on site.
- Involved in recruitment, participating in interviews and designing test tasks.

Cascade.bi – Software Developer (September 2014 – August 2016)

Front end lead for SaaS business intelligence platform, producing responsive dashboards using dc.js. Saw the full application lifecycle from initial prototypes that were used to secure early funding through to initial beta deployment.

Tech: JS (dc.js), C#, HTML5, CSS3 (Bootstrap), SQL

- Built an ASP.net application from prototype to product release.
- Designed Node.js server side data aggregation solution to process datasets.
- Devised and implemented parts of the AWS infrastructure.

Skills

Languages: HTML5, CSS3, ES6/ES5 Javascript, SVG, C#, SQL

Frameworks/Libraries: jQuery, SASS, Node, d3.js, Angular 1.x, Vue.js

Tools: Karma/Mocha/Chai, Sinon, AWS, Git, Agile/Scrum, CI (Jenkins), Illustrator, Photoshop, QGIS, GeoJSON

Education

Masters of Music (by Research), University of East Anglia.

Electro-Acoustic Composition and Sonic Arts

- Research project on interactive video game music, writing real-time data interfaces (C++, JS) to create a portfolio of generated music.
- Presented research at the 2013 and 2014 Ludomusicology Conferences.

BA (Hons), University of East Anglia. Music (2:1).

Interests and Activities

Keen musician and racing driver with interests in politics and language. Multi-instrumentalist, primarily playing piano, guitar (classical, grade 8) and drums.