TESSA BREEN

tessabreen.net • tessabreen@protonmail.com • linkedin.com/in/tessabreen

PROFESSIONAL EXPERIENCE

Unity Technologies, London   *June 2022 – Present*
Front-End Software Engineer for Engineering Services
- Building a world-class, scalable continuous integration system used by developers of the unity engine using **Typescript, React, Redux Saga, GCS**
- Regularly participating in lightning talks on front-end topics

The British Broadcasting Corporation, London   *June 2020 – June 2022*
Software Engineer for Digital Publishing
- Building microservices and internal tools for journalists using **Typescript, React, Redux, Node.JS, Scala, GraphQL, Redux, and AWS**
- Improving content discovery using metadata documents
- Building an article editor to enable flexible content creation
- Maintaining and developing CI/CD pipelines in Jenkins
- Maintaining a front-end component library for use across the organisation
- Ensuring products and new features meet WCAG accessibility standards and documenting best practices for use across the organisation

DabApps, Brighton   *Jan 2018 – May 2020*
Software Engineer
- Building single-page web apps and mobile apps for brands using **Javascript, Typescript, React Redux, PostgreSQL and Django**
- Projects include: *Centurion* mobile app written in React Native to control a laboratory centrifuge and *Experta,* a social media app for Lawyers to discover clients using React and Django
- Volunteered with charity CodeBar to teach software development to minority groups

AI Music, London   *May 2018 – Dec 2018*
Business Analyst
- As part of an early stage investment strategy I identified and sought partnerships with key stakeholders in the music industry and ad tech sector

EDUCATION

Imperial College London   *2014 – 2018*
BSc Physics
- Modules include Astrophysics, Environmental Physics, Advanced Hydrodynamics, Physics of Medical Imaging and Radiotherapy and Lasers
- Computing projects included modelling the transmission of infectious disease, percolation theory and light refraction
- Achieved first-class for thesis on impact of fracking on the environment
- A member of the Philosophy Society, and IC Radio

SKILLS

React, Typescript, Redux-Saga, Git, GitHub Actions, Next.JS, Tailwind, Accessibility, Node.js, Scala, Javascript, GraphQL, AWS, webpack, GCS, Cypress, Cucumber, React Testing Library, Playwright, Jest