

JAMIE PARKINSON

Software Engineer

Experienced software engineer with a broad skillset: from cloud architecture to embedded devices; large-scale frontend projects to mobile app development; data engineering to DevOps. I like to empower teams and individuals to deliver high-quality outcomes, sustainably.

I approach software problems from a product and people perspective, and I'm good at both quick-and-impactful prototyping, and joining the dots to make decisions for the long term. I have worked with a lot of technologies and love learning new ones but, if you like lists, then here are a few specifics: *Scala, Typescript, Terraform, AWS, Docker, Elasticsearch, Python, React, C, FreeRTOS*.

EXPERIENCE

Senior Software Engineer

Wellcome Collection

📅 Senior Software Engineer: November 2021 - present

📅 Software Engineer: October 2019 - November 2021

Wellcome Collection is a free museum and library exploring health and human experience, with an extensive catalogue of both physical items and digitised works. It is part of Wellcome, a global charitable foundation. At Wellcome Collection, I've...

- Led projects on data pipelines, search, identity and security, ML models and more. This work has ranged from large-scale distributed cloud architecture, to service implementation, to frontend work. It's involved working with data scientists, librarians, archivists, external contractors and agencies, designers, product managers and others.
- Managed and mentored a number of engineers, designed and led interviews for a variety of engineering roles, and hired Wellcome's first software engineering apprentices.
- Presented the team's work both within Wellcome and to external organisations, and liaised directly with other teams within Wellcome to ensure a shared understanding of work and to mitigate technical risks.
- Chaired the Wellcome branch of the trade union Prospect, winning a national organising award in 2021, and achieving voluntary recognition endorsed by ballot in 2023. I've supported and represented members in redundancies, grievances and disciplinary procedures.

Full-Stack Developer

Tech Will Save Us

📅 August 2017 - October 2019

TWSU made STEM toys for kids to build and code themselves, and provided fun digital experiences alongside the physical products. At TWSU, I...

- Wrote the firmware for a major electronic product based on the ESP32 chip, working from the electronics schematic up to agreeing and implementing test and production procedures in person with the factory in Guangdong. This included (but was not limited to!):

- A completely bespoke LED/button matrix driver, employing multiple peripherals and full use of the RTOS scheduler and multi-threading.
 - A Bluetooth API based on protocol buffers, communicating with a React Native app for inter-activity as well as OTA firmware updates. The latter also involved the necessary server-side architecture to deploy and push updates.
 - Implementation of a runtime environment for "games" to be sent from the app and played on the device.
- Worked on 2 React Native apps with original and fun UIs and rich content such as animation and video. I gave a talk about animations in React Native, using one of these apps as a case study, at the React London Meetup in April 2018.
 - Designed and implemented the cloud architecture and CI/CD process for the primary online platform, Club Make.
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Product Developer

drfocused

📅 September 2016 - August 2017

drfocused make tools to empower doctors and hospitals to reduce the huge overhead of paperwork that plagues their working lives.

At drfocused, I led frontend development from scratch of both web and mobile products that were used across 75 hospitals, as well as working on a service-oriented API for them.

EDUCATION

Theoretical Physics MSci - *First Class Honours, Dean's List*

University College London (UCL)

📅 2012 - 2016