Abigail McPhillips

abigail.mcphillips@gmail.com • 07508 023493 • github.com/abigailmcp • medium.com/@AbigailMcp • London

PROFILE

Driven and enthusiastic full-stack software developer with extensive experience working on greenfield Ruby on Rails projects, building ReactJS frontends and architecting REST APIs. Loving creator and lead maintainer of the open-source React Native test framework Cavy.

JavaScript	React, React Hooks, Redux, Typescript, NextJS, React Native, ES6, Node
Ruby	Ruby on Rails
DB architecture	PostgreSQL, Clickhouse, DynamoDB
CI & CD	GitHub Actions, CircleCI, Jenkins, TeamCity
Testing	RSpec, Jest, Cyprus, Percy
Data visualisation	Highcharts, D3, Recharts, Chartkick
Real-time web	WebSockets, Pusher, Socket.IO
AWS and infra	AWS Lambda, AWS Secrets, S3, Route53, Ansible configuration
Other frontend	Contentful CMS, CSS, SASS, Material-UI

EXPERIENCE

Pixie Labs Full-stack agency developer Nov 16 - current

Tussell tussell.com

Data analytics platform providing analysis on public sector tenders and contracts

- Lead developer responsible for running sprint planning, retros and estimating phased work.
- Implemented **React frontend** from the ground-up, including interactive **charts**, integrating with **Ruby on Rails backend**.
- Architected transition to column-oriented database to optimise performance for user-filtering on over 80 million database rows.
- Implemented performant keyword search on the same large dataset.
- Responsible for responding to daily ad-hoc requests and queries from the client research team and external customers, monitoring **Rollbar** and **Librato** alerts.

UK Government Ministerial Department

Custom-made Intranet for a UK government ministerial department

- Worked with one other developer to architect and build a bespoke intranet using **SharePoint Online**, solely responsible for developing all the reusable widgets in **React**.
- Ran demos with key client stakeholders and managed the project using **Azure DevOps**.
- Implemented Azure Pipelines as the internal dev department had no CI/CD process.

Blink blinkcats.co.uk

Bespoke cat food subscription service

- Worked with two other developers to build this greenfield project, comprising a warehouse fulfillment system (**Ruby on Rails**) and a customer-facing subscription site (**NextJS**, **Elasticpath** (headless ECommerce) and **Contentful** (headless CMS).
- Involved in early tech-stack decisions and system architecture.

QIARK impactri.com
Collective intel platform grouping text answers into idea pools, surfacing popular opinions.
- Responsible for developing **text-similarity microservices** for multiple languages using the spaCy Tokenizer API and open-source lemmatizers to compare text co-occurrence and return similarity scores.
- Provisioned and managed servers on **AWS** using **Ansible**.

HomeServe homeserve.com/uk
Boiler and smart-thermostat provider
- Worked with one other developer to build their enterprise mobile app in **React Native**. The app is used by their engineers to track, complete and report on installations.
- Integrated mobile app with internal booking systems via development of **internal APIs**.
- Responsible for both iOS and Android deploy schedule, annual updates and reprovisioning.

OPEN SOURCE

Cavy cavy.app Co-creator and lead maintainer/developer Mar 17 - current
End-to-end testing framework for React Native
- Designed, developed and open-sourced the testing framework from the ground-up.
- Recently enriched the API to provide a custom `useCavy()` hook for cleaner integration with React function components.
- Currently actively maintaining the project ensuring compatibility with all React/RN updates.
- Created cavy-cli, a command line interface which assists running tests in CI environments.
- Worked with developers at TeamCity, adding JUnit reporting to cavy-cli to ensure Cavy is compatible with their CI process.

SIDE PROJECTS

Planning poker poker.velocitaire.com
In my spare time working at Pixie Labs, I created a Planning Poker app which helps remote teams collaboratively vote on and agree estimates for user stories. It's a fully frontend application built using **React** (**Hooks and NextJS**), includes a Pivotal Tracker integration and uses **Pusher** for real-time gameplay.

OTHER EXPERIENCE

Grant Thornton Restructuring Tax Executive Jun 15 - Jan 16
Grant Thornton Corporate Tax Associate Aug 12 - Jun 15

EDUCATION

Makers Academy
Full-stack developer graduate Aug 16 - Nov 16
Competitive software development academy focused on CS principles, TDD, pair-programming and Agile software development.

ICAEW Chartered Accountant qualification (ACA)
All 15 ACA qualification exams, first time passes 2012 - 2015

Mathematics BSc - First Class Hons
University of Warwick 2008 - 2011

A-Levels Mathematics (A), Further Mathematics (A), Physics (A), English Literature (A)