

RICHARD BATES

SENIOR SOFTWARE ENGINEER

DETAILS

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SOCIAL

[Github](#)

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[Portfolio website](#)

STACK

Ruby on Rails

Docker

Kubernetes

GraphQL

PostgreSQL

ReactJS

React Native

HOBBIES

Surfing, Travelling,
Motorcycles, Blockchain

PROFILE

Software engineer with 5 years experience in digital transformation. Proven record in technical quality, technical delivery and scaling early stage startups.

EXPERIENCE

Senior Software Engineer, Pave

Mar 2020 — Mar 2022

- Worked across the entire stack - from the React Native mobile app to the ReactJS portal and RoR backend.
- Responsible for implementing a missing standard infrastructure such as CI, test suite, automated deployment pipeline and resolving various performance issues caused by initial scaling.
- Led the backend development of the new Flex Finance product in which a monthly report is calculated from open banking user financial activity and sent to all three major credit agencies.
- Replaced the old system that would take 1 hour+ and crash the server with a new system generating a report in 2 minutes and persisting all data. Utilised postgres triggers, sidekiq async batching, memory optimisation and custom activerecord validators.
- Developed an open source gem for API integration with Braze CRM.
- Mentored junior engineers and involved in on-boarding technical team.

Software Engineer, Babylon Health

Jan 2017 — Aug 2019

- Led the work in moving all payments infrastructure from the monolith to ruby microservices for PCI compliance.
- Involved in building a new payment gateway adapter for global rollout to Saudi Arabia, USA, Canada and other regions.
- One of two engineers responsible for the initial roll out of the Babylon ecosystem to Canada - new custom APIs such as those for patient/pharmacy geolocation, medical identifier processing and insurance redemption for different provinces.
- Migrated existing identity document data from UK Onfido servers to cloud based AWS infrastructure in Canada.

PROJECTS

Brazify

Open source wrapper for the Braze REST API

<https://rubygems.org/gems/brazify>

Shell, Ruby, GH Actions

Hodlmoon

ReactJS, Rails API,
GraphQL

Cryptocurrency portfolio tracker

<https://github.com/riccho225/hodlreact>

Hodlmoon CLI

Ruby, Thor, Aruba

Ruby CLI for crypto market data

<https://github.com/riccho225/hodlmoon>

EXTRA-CURRICULAR ACTIVITIES

Teaching Assistant, Rails Girls

London

Jan 2021 — Aug 2021

Regular free, one and a half day workshops to encourage more women into web development.

EDUCATION

Web Development & Programming, Makers Academy

2016 — 2016

B.Sc. Biochemistry with Research Abroad, Imperial College London

2011 — 2015

REFERENCES

References available upon request