RICHARD BATES

BACKEND DEVELOPER

Location
London

Phone
07517051867

Email
rich.bates@protonmail.com

Github
https://github.com/richo225

Linkedin
https://linkedin.com/in/richard-bates

Website
https://richo225.github.io

STACK

- Ruby on Rails
- ReactJS
- Docker
- CircleCI
- GraphQL

PROJECTS

Hodlmoon
ReactJS, Rails API, GraphQL

https://github.com/richo225/hodlreact

Cryptocurrency portfolio tracker

Hodlmoon-CLI
Ruby, Thor, Aruba

https://github.com/richo225/hodlmoon

Ruby CLI for crypto market data

EDUCATION

Makers Academy
Web development & Programming

2016 - 2016

Imperial College London
B.Sc. Biochemistry

2011 - 2015

WORK EXPERIENCE

January 2017 - August 2019

Babylon Health
Ruby developer

Healthcare app incorporating artificial intelligence and GP video consultations. Worked predominantly on the core platform consisting of a Rails monolith and Java/Ruby microservices that handle patient registration, appointments, payments as well as a front-end portal for doctors and admins.

Canada rollout

- One of two backend developers involved in the initial roll out of the Babylon ecosystem to Canada.
- Frequent deployment of the monolith and core microservices using kubernetes and jenkins to the production environment.
- Built new custom APIs such as those for patient/pharmacy geolocation, medical identifier processing and insurance redemption for different provinces.
- Migrated identity document data from UK Onfido servers to our cloud based AWS infrastructure in Canada using ActiveStorage.
- Setup fax microservice for admin staff and editable PDFs for prescriptions.

Payments system

- Migrated payments infrastructure from the monolith to its own rails microservice.
- New client facing APIs for PCI compliance and stand alone black-box testing suite.
- Involved in building the new payment gateway for global rollout to Saudia Arabia, USA, Canada and other regions.

Notifications & mailer microservices

- Work in maintaining and building features for our notifications and dynamic mailer rails microservices.
- Sending push notifications via PubNub.
- Migration to using SideKiq and integrating custom email templates via Mailchimp and Mandrill.
- Upgraded to Rails 5 and moved to trunk based development.

Miscellaneous

- Small Elixir service "commit-JIRA-checker" built using Plug, Cowboy and Poison to validate commit messages against ticket id's.
- Ruby scripts for opening PRs, integrating services with slack and generating release candidates for QA and pre-production.
- Monthly presentations to the ruby team on topics and completed projects such as load testing, ActionCable and the attributes API.