

RICHARD BATES

BACKEND DEVELOPER

INFO



Location
London



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STACK

- Ruby on Rails
- ReactJS
- Elixir
- GraphQL

PROJECTS



Hodlmoon
ReactJS, Rails API
Cryptocurrency portfolio
management web app



Hodlmoon-CLI
Ruby, Thor, Aruba
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

- Did a lot of 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.
- 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.