RICHARD BATES

SENIOR SOFTWARE ENGINEER

DETAILS

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London
United Kingdom

PHONE
+447517051867

EMAIL
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SOCIAL

Portfolio website

Github

LinkedIn

STACK

Ruby

Rust

ReactJS

React Native

GraphQL

PostgreSQL

Docker

Kubernetes

HOBBIES

Travelling, Surfing,
Motorcycles, Blockchain

PROFILE

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

EXPERIENCE

Lead Instructor, LeWagon
Singapore

Sep 2022 — Apr 2023

- Successfully led two 9-week long bootcamps and achieved a feedback NPS score of 92.
- Delivered lectures on full stack topics, ranging from beginner Ruby and JS to advanced concepts like RoR, AJAX, background jobs, and code deployment.
- Conducted live code sessions to facilitate discussions on covered topics and technologies.
- Functioned as tech lead and product manager for four projects per bootcamp, which resulted in the development of impressive products such as an AI-powered Spotify app and an NFT Pokemon GO clone.

Senior Software Engineer, Pave
London

Jan 2020 — Mar 2022

- Developed and maintained RN mobile app, ReactJS portal and RoR backend.
- Improved infrastructure by implementing CI, test suite, deployment pipeline and resolved scaling performance issues.
- Led the successful development of the new Flex Finance product, enabling monthly reports to be calculated from open banking activity and sent to all three major credit agencies.
- Rebuilt the report generation system by utilizing postgres triggers, sidekiq async batching, memory optimization and custom activerecord validators, reducing report generation time from 1 hour+ to 2 minutes.
- Created an open source gem for seamless API integration with Braze CRM.
- Mentored junior engineers and contributed towards on-boarding of the technical team.

Software Engineer, Babylon Health
London

Jan 2017 — Aug 2019

- Successfully migrated payments infrastructure from monolith to ruby microservices for PCI compliance, ensuring global compliance with industry standards.
- Contributed to the development of a new payment gateway adapter that enabled secure transactions in multiple regions including Saudi Arabia, USA, and Canada.

- Designed and implemented new APIs for patient/pharmacy geolocation, medical identifier processing, and insurance redemption across different Canadian provinces.
- Facilitated seamless migration of identity document data from UK Onfido servers to cloud-based AWS infrastructure in Canada, ensuring data security and accessibility.

PROJECTS

Octopus
Rust, Warp, Docker

Trading engine crate and algorithm library

https://github.com/richo225/octopus

Brazify
Shell, Ruby, GH Actions

Open source wrapper for the Braze REST API

https://rubygems.org/gems/brazify

Hodlmoon
React, Rails, GraphQL

Cryptocurrency portfolio tracker

https://github.com/richo225/hodlreact

Hodlmoon CLI
Ruby, Thor, Aruba

Ruby CLI for crypto market data

https://github.com/richo225/hodlmoon

EDUCATION

Web Development & Programming, Makers Academy
London

2016 — 2016

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

2011 — 2015

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.

REFERENCES

References available upon request