

Ryan Watkins

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EDUCATION

University of Reading

First Class Hons. BSc

Berkshire, UK

Sep. 2013 - July 2016

EXPERIENCE

Full Stack Developer

Sep 2017 - Sep 2018

Red Ant

London, UK

- Developed a REST API using NodeJS to match existing legacy systems and extending legacy systems. This backend used MongoDB as a data source within Heroku.
- Developed a full-stack mobile application using React Native and MongoDB.
- Migrated data from various SQL databases to a MongoDB data source, covered with tests along with notifications for these users being migrated etc. for a smooth handover for the client.
- Automatic deployment to bitrise from Bitbucket pipelines for smooth builds from dev, QA, client testing and through to production.
- Used cryptography to encrypt sensitive medical data for aforementioned application.
- Dynamic theming support on the frontend to scale to various medical partners.

Junior Software Development Manager

Aug. 2016 - Feb 2017

SIXT

Munich, Germany

- Worked on the Sixt.com website to provide a new React app.
- Worked with designers to match various mockups using Agile methodology.
- Contribute to and help with Golang middleware to provide a backend in between various microservices on-site.
- Use Scala to solve some bug tickets with an in-house crawler.

PROJECTS

Herrostats | Clojure / Go

2020 – Present

herrostats.ryanwatkins.me

- Show NBA stats for Miami Heat NBA player Tyler Herro using the NBA API

PIXI Game Engine | Javascript, PIXI.js

2020 – Present

tiny-owl.com

- Develop PIXI.js engine for making cross-platform games

Quantum Interpreter | C++

2020 – Present

<https://ryanwatkins.me/projects/sqint.html>

- Develop quantum interpreter for executing quantum gates and other quantum computation

TECHNICAL SKILLS

Languages: C/C++, SQL (Postgres), Scala, Go, Clojure, Common lisp, Elisp, JavaScript, Typescript, HTML/CSS

Frameworks/ Libraries: React, Node.js, React Native, GraphQL, Apollo

Developer Tools: Git, AWS, Bitbucket Pipelines, Jira, Atlassian, VS Code, Emacs