

Richard Wyn Morris

📍 London, UK ✉ richwynmorris@protonmail.com 🌐 richwynmorris.co.uk

🔗 <https://github.com/richwynmorris>

Summary

I'm a full-stack software engineer with an innate drive to understand and solve problems. Most recently, I created Horus, an open-source observability solution for microservices built with Node.js, TimeScaleDB, Next.js, and OpenTelemetry. I've built, designed, and solved using the Ruby, JavaScript, and GoLang ecosystems and I'm passionate about writing clean, efficient code for scalable distributed systems.


Skills

Backend (Node.js, Express, Ruby, PostgreSQL, MongoDB, RESTful APIs, GoLang)

Frontend (JavaScript (ES6), React/Redux, HTML/CSS, Next.js)

Tooling (Git/GitHub, Docker, Linux, OpenTelemetry, Grafana, DigitalOcean, Heroku, AWS EC2)

Professional Experience

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| 2021 – present | <p>Creator, Software Engineer, Horus </p> <ul style="list-style-type: none">• Created Horus, an open-source observability solution for distributed applications• Automated the generating (OpenTelemetry), processing (Express), and storing (TimescaleDB) and visualizing (Next.js) of metrics and traces• Led front-end user interface development• Prototyped infrastructures using Grafana, Jaeger, Zipkin, and ElasticSearch• Led and built NPM package for streamlined instrumentation• Optimized application for higher requests per second using OpenTelemetry queues and batching• Authored Horus's case study: https://tryhorus.com/case-study• Collaborated with a remote team of 4 engineers across 3 time zones using agile workflow |
| 2019 – 2021 | <p>Software Engineer, Self-employed</p> <p>Projects & technologies used during this time:</p> <ul style="list-style-type: none">• RequestBin.site - a real-time application for receiving & debugging webhooks (Socket.io, Nginx, Redis, DigitalOcean Droplet, PM2)• Ello-Trello - a Trello-like collaboration app (MongoDB, Express, Node.js, React, Redux)• Shopping Cart - a database-backed e-commerce app (React, Redux, MongoDB, Node.js)• Tasker - a responsive task management application (Node.js, Express, JavaScript, JQuery, Handlebars.js, HTML, and CSS)• Contact Manager - A CRUD app for storing and filtering contacts (Node.js, Express, PostgreSQL, vanilla JavaScript). |
| 2013 – 2020 | <p><i>Taught KS3, GCSE, and A-level English at various UK secondary schools. Held leadership and management positions during this time.</i></p> |

Education

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| 2019 – 2021 | Software Engineering and Full Stack Development, Launch School |
| 2012 – 2013 | Post Graduate Certificate in Education, Aberystwyth University |