

# Richard Wyn Morris

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🔗 <https://github.com/richwynmorris>

## Summary

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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

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**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><b>Creator, Software Engineer, Horus</b> <a href="#">🔗</a></p> <ul style="list-style-type: none"><li>• Created Horus, an open-source observability solution for distributed applications</li><li>• Automated the generating (OpenTelemetry), processing (Express), and storing (TimescaleDB) and visualizing (Next.js) of metrics and traces</li><li>• Prototyped infrastructures using Grafana, Jaeger, Zipkin, and ElasticSearch</li><li>• Built NPM package for streamlined instrumentation</li><li>• Optimized for higher requests per second using OpenTelemetry queues and batching</li><li>• Authored Horus's case study: <a href="https://tryhorus.com/case-study">https://tryhorus.com/case-study</a></li><li>• Collaborated with a remote team of 4 engineers across 3 time zones using agile workflow</li></ul>
2019 – 2021	<p><b>Software Engineer, Self-employed</b></p> <p>Projects &amp; technologies used during this time:</p> <ul style="list-style-type: none"><li>• RequestBin.site - a real-time application for receiving &amp; debugging webhooks (Socket.io, Nginx, Redis, DigitalOcean Droplet, PM2)</li><li>• Ello-Trello - a Trello-like collaboration app(MongoDB, Express, Node, React, Redux)</li><li>• Shopping Cart - a database-backed e-commerce app (React, Redux, MongoDB, Node)</li><li>• Tasker - a responsive task management application (JavaScript(ES6), JQuery, Handlebars.js)</li></ul>
2013 – 2020	<p><i>Taught KS3, GCSE, and A-level English at various UK secondary schools. Held leadership and management positions, and responsibilities, during this time.</i></p>
<b>Education</b>	
2019 – 2021	<p><b>Software Engineering and Full Stack Development, Launch School</b></p> <p>A full-stack software engineering curriculum emphasizing mastery of core fundamentals and problem-solving</p>
2012 – 2013	<p><b>Post Graduate Certificate of Education, Aberystwyth University</b></p> <p><i>English and Drama</i></p>