

Callie Buruchara

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Summary

I'm a full-stack software engineer with a passion for understanding and solving 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 Go ecosystems, and I'm always looking for a reason to learn something new. My favorite way to learn is by sharing — both through teaching and writing [🔗](#).

Professional Experience

2021 – present	Creator, Software Engineer, Horus 🔗 <ul style="list-style-type: none">• Created Horus, an open-source observability solution for distributed applications• Automated the generating (OpenTelemetry), processing (Express), storing (TimescaleDB), and visualizing (Next.js) of metrics and traces• Prototyped infrastructures using Grafana, Jaeger, Zipkin, and ElasticSearch• Built NPM package for streamlined instrumentation• Optimized 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 timezones using agile workflow
2020 – 2021	Teaching Assistant, Launch School 🔗 <ul style="list-style-type: none">• Led weekly study groups teaching programming fundamentals, problem-solving, and Ruby Object-Oriented programming• Provided detailed code reviews on small coding projects• Created instructional videos demonstrating fundamental JavaScript concepts• Wrote detailed curriculum on the problem-solving process of coding challenges• Led and hosted a full season of the community podcast
2019 – 2021	Software Engineer, Self-employed <p>A few of the 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, React, Redux)• Shopping Cart - a database-backed e-commerce app (React, Redux, MongoDB, Node)
2012 – 2020	<i>Taught English to middle-school and high-school level and ESL to adult learners</i>

Technical Skills

Back end Node.js, Express, Ruby, Go, PostgreSQL, MongoDB, RESTful APIs	Front end JavaScript, React/Redux, HTML/CSS, Next.js	Tooling Git/GitHub, Docker, Linux, Bash, OpenTelemetry, Grafana, DigitalOcean, Heroku, AWS EC2
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Education

2017 – 2018	M.A., Teaching English, Western Governor's University
2015 – 2016	B.A., English/Language Arts Teacher Education, University of Maryland Global Campus