Tyler Guillen

Software Engineer

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tylerguillen.com

Skills & Code

Proficient with building RESTful web applications and APIs using Ruby, JavaScript, HTML, and CSS, and a working knowledge of Python. Values clean, extensible, code backed by robust test suites. Extensive experience using frameworks like Rails, Sinatra, React, Vue, and Flask, with a strong grasp of HTTP, object-oriented design, systems, and relational databases (including PostgreSQL and MySQL). Comfortable with Git and continuous delivery, owning each project from end to end.

Open Source

Emittance (https://github.com/aastronautss/emittance) – A flexible and extensible eventing library for Ruby. Adaptable for multiple back ends, including ActiveJob, Resque, and RabbitMQ.

Tracebin (https://traceb.in) – A service that collects application performance data from Tracebin agents. Aggregates and displays 24 hours of data, including endpoint performance, database query and view rendering overhead, and general system health.

Work

Senior Software Engineer - Touch of Modern
San Francisco, CA; August 2018 – Present

Design, implement, and maintain a robust Ruby on Rails application and logistics platform.

- Increase system stability and deployment confidence by building up test coverage and improving application design.
- Undertake large refactoring projects, isolating functionality and improving maintainability.
- Build, deploy, and scale high-risk features to a site with zero downtime.

Software Engineer - Touch of Modern
San Francisco, CA; August 2017 – August 2018

Software Engineer - Tracebin
Takoma Park, MD; March 2017 – July 2017

Led a small team on an independent project, building a lightweight agent to collect web application performance data, and a server to handle that data.

IT Coordinator / Web Developer - Certified Contractors Network
Takoma Park, MD; October 2015 – March 2017

Researched, implemented, and monitored IT solutions for a small business with both local and remote employees.

- Significantly reduced administrative overhead by building custom tools to manage customer data using SQL, Ruby, and JavaScript.
- Increased website traffic with SEO, content and layout updates, and brand-consistent advertisements on in both print and web formats.

MSI Learning Assistant - UC Santa Cruz
Santa Cruz, CA; September 2014 – June 2015

Facilitated small group study sessions (10-15 students) for courses in logic, involving argument structure, deductive reasoning, and formal proofs.

Math and Logic Tutor - Grossmont College
El Cajon, CA; January 2013 – December 2013

Provided one-on-one tutoring to students in all areas of lower-division mathematics and philosophy, from algebra through differential equations, and Plato through Sartre.

Education

Launch School - Online Coursework
Full Stack Web Development Curriculum, 2017

University of California, Santa Cruz - Santa Cruz, CA
Bachelor of Arts in Philosophy, 2015

- Received Highest Honors in the Major