hello@**Ryan Lue**.com

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Work History

Full-Stack Developer

University of Southern California · **2020–Present**

SDAQS ("Source-Differentiated Air Quality System"): Look up historical air contaminant levels at U.S. military bases throughout the Middle East.

Built for a federal grant funded by NASA using Roda + React + Mapbox GL + Tailwind CSS.

- Designed UI for single-page map application, supported by periodic design feedback sessions with the client.
- Constructed a simple API to connect the frontend to a client-provided dataset.
- Deployed self-hosted staging server using **Docker + traefik**.
- Bundled the application into a Docker image for easy deployment by the client on private networks.

Zammad GmbH · **2018–2020**

A unified inbox for all your customer correspondences, over any channel—email, telephone, live chat, Twitter, Facebook, Telegram, and more.

Packed with team-management and automation features. Built with Rails + CoffeeScript.

- **Migrated a large test suite** from Minitest to RSpec.
- Added test coverage for previously-untested core business logic.
- Undertook **major refactorings** to eliminate incidental complexity.
- Authored & edited official docs, internal literature, and marketing copy.

Bulavard, Inc. · **2017**

Put your CTA in front of any third-party site whenever you share a link. Built with Rails + Vue.js + Foundation. Deployed with Semaphore + Heroku.

- Prepared a comprehensive **unit and integration test suite** in RSpec.
- Implemented premium features for paid users.
- Extensively **documented internal API** with YARD.

Side Projects

JavaScript Libraries

flatpickr: Lightweight, powerful datetime picker   **Contributor**

Discovered and built out missing functionality in an official plug-in. Added test coverage around obscure UI bugs.

Linux Utilities

Xferase: Always-on, fully-automated photo import utility   **Creator**

Part of a self-hosted / DIY alternative to cloud photo services like Google Photos or iCloud.

Cram: An extensible toolkit for automating Anki flash card creation   **Creator**

Studying with Anki? Build "notes" (flash cards) faster with cram. Currently only includes tools for studying Traditional Chinese.

Vim Plugins

Barbaric: Automatic input method switching   **Creator**

vim + non-Latin input = pain. Barbaric is the cure. (⭐ 100+ stars on GitHub!)

Praise for Technical Writing

@wilson says: "+300, this is a fantastic diff. As soon as a maintainer notices, I hope it gets merged."

(via https://github.com/rbenv/ruby-build/pull/1114)

@DirtyF says: "Much clearer indeed, thanks for this useful addition to the docs ✍️"

(via https://github.com/jekyll/jekyll/pull/5912)

/u/frickenate says : "Thank you so bloody much... Your guide was perfect."

(via https://www.reddit.com/comments/6k8nw3/_/dqf6h2f/)

Skills

💬 Technical communication

🖥️ Ruby / Rails / Roda / RSpec

🖥️ React / JavaScript (ES6) / HTML / CSS

🖥️ SQL / Relational Databases

🖥️ Git

Education

- B.A., Urban Studies and Planning   **2010**
  UC San Diego