Kevin **Duffy**

Full Stack Web Developer

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Skills

Languages	Ruby, JavaScript, TypeScript, SQL, Bash
Frameworks	Ruby on Rails, Hotwire (Turbo, Stimulus), Bootstrap, Devise, Shrine, Express, Vue
DevOps	Git, Github, SSH, Docker, Kamal, SSH, Cron, Linux
Payments & Cloud	Stripe (checkout, webhooks), AWS (Lightsail, SES, IAM, EC2
Data	PostgreSQL, SQLite, database design and migrations
Other	libvips / FFmpeg media processing, REST and webhook integrations

Projects

Filthy Chai (filthychai.me)

Ruby on Rails, PostgreSQL, Stripe, Hotwire, AWS SES, Docker, Kamal

- Built a mobile-first e-commerce storefront with a product and variant data model supporting per-variant pricing, inventory, and image associations.
- Integrated Stripe Checkout with automatic tax calculation and signed webhooks; the idempotent handler marks orders paid, decrements inventory, clears the cart, and notifies the owner.
- Designed an order system with a status lifecycle and line-item snapshots, preserving historical order data when products change; enforced integrity with foreign keys, unique and partial indexes.
- Built an image pipeline with Shrine and libvips that converts uploads to three WebP sizes, strips EXIF/GPS metadata, and cuts typical payload from 5 MB originals to under 200 KB per image set.
- Implemented a live cart with Turbo Streams (quantity, subtotal, and header count update without page reloads) and Stimulus controllers for variant selection, image galleries, and a mobile store filter.
- Configured AWS SES v2 for transactional emails, using a DKIM-verified domain for order confirmations and customer support inquiries.
- Developed an admin dashboard for managing products, variants, drag-to-reorder images, and order fulfillment; secured with Devise.
- Deployed and maintained the production application using Docker and Kamal on AWS Lightsail, with PostgreSQL and automatic TLS provisioning.
- Identified and eliminated N+1 queries using Bullet and Active Record eager loading; refactored legacy styles into a responsive, mobile-first layout.

Personal Blog (blog.soadaa.xyz)

Ruby on Rails, SQLite, Hotwire, Docker, Kamal

- Built a mobile-first Rails blog with Markdown rendering, hierarchical categories, an Atom feed, and five user-selectable themes persisted in local-Storage.
- Diagnosed memory exhaustion on a shared VPS and configured Linux swap so two production Rails apps run reliably; automated daily compressed database backups with cron.

Portfolio (kevinduffy.dev)

HTML, CSS, Github Pages

- Responsive, semantic HTML/CSS portfolio with SEO and image optimization.
- Graded as 99 on Lighthouse performance.

Basis (Github Repo)

Vue, Typescript, Github Pages

- Developed a single-page incremental game using Vue and TypeScript, implementing interactive gameplay and reactive UI updates.
- Implemented systems to track resource generation, buildings and upgrades.
- Game states are tracked using localStorage.

Education

CUNY - College of Staten Island (CSI)

Staten Island, New York

B.S. in Accounting

Jan. 2013 - May. 2017