

Thu Rein Phyo Ko (Ryan)

Front-End Developer

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EXPERIENCE

Freelance Front-End Developer | Upwork

White Glove - Georgian & Victorian Properties (2 projects)

July 2025

- Reconstructed a static legacy website into a high-performance, multi-page application using React, Tailwind CSS, and Framer Motion. Transformed the static interface with fluid, purposeful animations.
- Executed a full technical SEO pipeline (metadata, sitemaps, robots.txt, GSC), driving the site to rank #1 on Google for "White Glove Edinburgh".
- Integrated Formspree for lead capture and deployed the production build to a DigitalOcean server via ServerPilot.

AURENROCK

April 2026

- Restructured an AI-generated codebase to build a responsive mobile navigation menu and improved typography scales, achieving 100% layout consistency across all mobile and desktop viewports.
- Managed production deployment to DigitalOcean via ServerPilot, utilizing Cyberduck (SFTP) to ensure a secure, zero-downtime launch pipeline.

PROJECTS

Minimal E-Commerce (Storefront & Functional Admin CRUD)

Tech Stack: Next.js, TypeScript, Zustand, React Query, Tailwind CSS, Framer Motion, Jest

- Built a client-side e-commerce platform integrating the DummyJSON API, featuring simulated user roles (Seller Dashboard vs. Customer Storefront) via state-driven Zustand routing.
- Implemented complex frontend CRUD operations for inventory management alongside advanced client-side filtering, multi-parameter search, and fluid UI animations.
- Reduced initial payload sizes by 80% via a paginated 16-product fetching strategy with 5-minute data caching, utilizing layout skeletons, empty-search state prompts, and error boundaries to maximize user retention.
- Maintained 100% critical path reliability by implementing a full CI/CD pipeline that executes 16+ unit and integration tests using Jest to automatically block failing code on GitHub Pull Requests.

Bagan Website (Cultural & Story Telling Site)

Tech Stack: Next.js, TypeScript, Tailwind CSS, Framer Motion, Leaflet.js

- Designed a 4-page historical platform utilizing Next.js App Router to serve content across dedicated history, architecture, and cultural modules.
- Engineered an interactive mapping interface using Leaflet.js to dynamically render 5+ geospatial markers, popups, metadata for historical temples and pagodas, and integrated custom image galleries with scroll-linked Framer Motion timeline animations.

BestWheel (Car Dealership Web App)

Tech Stack: React, JavaScript, Vanilla CSS, Swiper.js

- Built a responsive dealership interface featuring multi-parameter vehicle filtering, dynamic specification pages, and a touch-responsive Swiper.js catalog.
- Coded modular Vanilla CSS layouts from scratch to ensure cross-browser compatibility, alongside 2 interactive mockup forms for test drives and purchases.

SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, React, Next.js, HTML5, CSS3

State, Data & Testing: Zustand, React Query (TanStack Query), Jest

UI & Styling: Tailwind CSS, Framer Motion, MUI, D3.js, Leaflet.js

Tools & Deployment: Git, GitHub, Vercel, Netlify, DigitalOcean, ServerPilot, Cyberduck

TESTIMONIALS

"Ryan is a superstar, he is exceptionally brilliant at creating websites that animate with grace and elegance... He demands nothing less than perfection from his work." (5.0/5.0 Stars)x2 - Founder, WhiteGlove, Georgian & Victorian Properties (UK)

"Ryan is super accommodating, gives great advice, but most importantly takes complete responsibility and accountability for excellence in his work. A perfectionist with incredible standards.." (5.0/5.0 Stars) - Founder, AURENROCK (UK)

EDUCATION & COURSES

Electronic Communication - Magway Technological University (Incomplete) | 2016-2022

Responsive Web Design | JavaScript Algorithms and Data Structures | Front-end Development Libraries | Data Visualization