Ryan Thompson

Front-End / Full-Stack Engineer | React · React Native · TypeScript · GraphQL · GCP

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Experience

Software Engineer (Front-End / Full-Stack)

Sky, London, UK — Oct 2023 – Present

- Delivered cross-platform features in React and React Native, driving 20,000+ new TV subscriptions within six months and improving user checkout experience.
- Accelerated release velocity by 50% by decoupling native modules from JS bundles and hosting them in GCP Storage Buckets, cutting build times from 40 to 20 minutes and enabling same-day rollouts.
- Improved ad accessibility coverage to 100% by architecting native Android and Objective-C intercepts that normalized event data and ensured screen-reader compatibility across all devices.
- Enabled personalized user experiences by integrating Adobe Personalisation and product pipelines into the production GraphQL API, improving click-through rates and engagement metrics.
- Protected backend reliability during peak campaigns by designing a Node.js + Redis traffic-management service to monitor real-time session rates and dynamically throttle logins, maintaining uptime and preventing service disruptions.
- Improved release stability by leading cross-team incident triage and proactive monitoring via Grafana/Kibana.

Software Engineer (Automation & DevOps)

FDM Group (Contracted to Sky, London, UK) — Jun 2021 – Oct 2023

- Automated test account provisioning in Node.js, reducing setup time by 95% (10 min $\rightarrow$ 30 sec) and freeing engineers to focus on feature delivery.
- Boosted product release confidence by building a Playwright end-to-end testing framework from scratch, expanding coverage from 0% to 90% of core user journeys and cutting post-release defects by 60%.
- Improved CI/CD reliability by integrating regression testing into TeamCity and Concourse pipelines, detecting breaking changes earlier and improving deployment success rates.
- Mentored new engineers and documented internal testing processes, standardizing automation practices across teams and strengthening delivery quality.

Skills

Languages: JavaScript · TypeScript · Python · Shell (Bash)
Frontend & Mobile: React Native · React · Redux · React Query · Expo · Next.js · Vite · SwiftUI · Tailwind CSS · Storybook · Contentstack
Backend & APIs: Node.js · GraphQL · Redis · Supabase
Cloud & DevOps: Google Cloud Platform (GCP) · AWS · Concourse CI · Octopus Deploy · Firebase
Testing & Automation: Playwright · WebDriverIO · Jest · CI/CD Integration
Monitoring & Analytics: Grafana · Kibana · Optimizely

Education

University of Leeds (BSc, Applied Computer Science) — Graduated Jun 2021
First Class Honours

Projects

Task Management Platform (Full-Stack App with React 19, TypeScript, Supabase)

- Architected a full-stack productivity platform with real-time Supabase sync, drag-and-drop scheduling, and hierarchical subtask management.
- Engineered RLS-secured APIs, optimistic UI updates, and a context-provider architecture to handle multi-view data synchronisation efficiently.