John Sullivan

johnsullivan.pem@gmail.com • github.com/itsjohncs

Shmeppy Lead Software Engineer & Founder   2018 – Present

- Built a feature-rich map editor using React, TypeScript, and the Canvas API with multi-user collaboration supported via the operational transformation algorithm and WebSockets.
- Wrote analytics pipelines using Rust and Python to quickly process over 500M log messages and support data-driven decisions.
- Optimized the onboarding funnel to attract 27K users who built 80K maps.
- Hired, managed, and mentored a junior developer to expand the team to two members.
- Built a robust subscription system using Stripe Elements.
- Set up automated backups in b2 as well as monitoring and alerting via Sentry and Cron.

Primer Learning Staff Software Engineer (Part-Time Contract)   2022 – 2023

Built Unity simulations and editor extensions for their YouTube channel with 1.7M subscribers.

Khan Academy Senior Software Engineer   2016 – 2018

- Led a team of five to display different content libraries to users in various locales. Onboarded other Senior Engineers and conducted end-user interviews and high-level design.
- Architected new in-house editing system for an internationally distributed team of content creators that tightly integrated Crowdin with our in-house React, Python, Flask, and Google App Engine powered editing platform.
- Proposed, designed, and co-built a Selenium powered end-to-end testing system.

Khan Academy Software Engineer   2014 – 2016

- Built the React frontend for the launch of Official SAT® Practice, led a team of four to lay a foundation for new test prep products, and was promoted shortly after.
- Championed adoption of Flux and then Redux (once it became available) across the company.
- Created Khan Academy's original engineering blog and encouraged contributions to it.

Various Companies Software Engineer (Part-Time Contracts)   2007 – 2013

Completed over 20 contracts using C#, WPF, Python, and Visual Basic 6 with terms ranging from 1 to 36 months.

Additional Experience

- Interned at Mozilla, JetHead Development, and Khan Academy.
- Taught Computer Science as a Supplemental Instructor at University of California, Riverside.
- Co-founded Galah Group LLC.