

**Rob Koch**  
Software Engineering

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EDUCATION

**BS in Computer Science**  
Miami University

**BA in Psychology**  
Miami University

TECHNOLOGIES


Frontend - Javascript, Typescript, Vue, Nuxt, React

Backend - Node, Python

Google Cloud, Cloudflare, AWS

Android, Android Studio

Swift, XCode, iOS

 **Founder**  
[Markwhen.com](https://markwhen.com) · Brooklyn, NY

Markwhen is like markdown for timelines - a markup language for visualizing series of events, e.g. in a timeline or calendar

I made the [language](#), the [parser](#), the [editor](#), and the [visualizations](#)

Vue, React, Cloudflare Workers & Pages, Google App Engine, Stripe

[Documentation](#) | [Editor web app](#) | [Github](#) | [VS Code extension](#)

 **Senior Frontend Software Engineer** Mar 2022 - Sep 2022  
[Reddit](#) · Seattle, WA

As part of the Premium & Perks team, created a new internal dashboard for customer service to debug and solve customer issues

 **Founder** Feb 2021 - Mar 2022  
[swink](#) & [gr.new](#) (domains have since lapsed)

Swink was a QR design app with dynamic short links with simple analytics

I created a novel way to embed any image into the middle area of a QR code without taking advantage of error correction, open sourced [here](#); the [live designer is here](#)

Web app and API with SSR Nuxt/Vue on Google App Engine

Stripe, Github Actions for CI/CD, Playwright for testing

[Github](#) | [Designer web app](#) | [HN discussion](#)

 **Software Engineer, Google Messages** Oct 2018 - Feb 2021  
[Google](#) · Seattle, WA

Integrated search bar on the home screen, the largest visual change in the product's recent history, which led to a 2x increase in search users and a 50% increase in search clicks

Designed and implemented the ability for users to select multiple messages, which is used over 2M times/day

Designed and implemented heuristically identifying, and automatically replying to, carrier requests to users for spam phone numbers, which is used 10k times/day across all users

Designed and implemented experiments for increasing the CTR of RCS promotions, leading to a 22% increase in user sign-ups

 **Software Engineer** May 2017 - May 2018  
[Cladwell](#) · Cincinnati, OH

Converted iOS app from a thick to a thin client in conjunction with API rollout

Reduced instances of crashing by an order of magnitude, while simultaneously adding new features

Raised app rating from 3.x to 4.4+

 **Cloud Engineering Intern** 2016  
[Cardinal Health](#) · Columbus, OH

Automated the internal requisition process for Amazon Web Services resources

**English Teacher** 2012 - 2015  
Various Universities · Changsha, Shaoxing, and Hangzhou, China

Taught conversational English to University classes in 3 schools over 3 years

Learned Chinese 但是最近越来越懒了