

Rob Koch

Software Engineering

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 rob__koch

EDUCATION

BS in Computer Science
Miami University

BA in Psychology
Miami University

Two bachelor's degrees,
which basically sums to
having a doctorate I think

TECHNOLOGIES

I'm pretty sure I've done a
bit of everything

Swift, XCode, iOS

Android, Android Studio

My java is better than my
kotlin

Typescript, Vue, Nuxt, React

Python, Jupyter Notebooks

There's a raspberry pi
sitting unused on my desk

AWS, Google Cloud

Stripe

Whatever gets the job done

LANGUAGES

English (Native)

Chinese (Professional)



Founder

Markwhen.com - Brooklyn, NY

Sep 2022 - now

Write markdown-ish plain text and have it converted into a nice looking timeline, or map, or calendar

Static vue on cloudflare, with some serverless functions to support auth, cloud saving, etc



Software Engineer

Reddit - Seattle, WA

Mar 2022 - Sep 2022

Internal tooling for customer support, premium & perks team



Founder

Swink & qr.new - Seattle, WA

Feb 2021 - Mar 2022

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

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

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



Software Engineer, Google Messages

Google - Seattle, WA

Oct 2018 - Feb 2021

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

Cladwell - Cincinnati, OH

May 2017 - May 2018

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

Cardinal Health - Columbus, OH

2016

Managed, redesigned, and partially automated the internal requisition process for Amazon Web Services (AWS) resources

Automated solutions for logging into VDI, sending customer emails, and Neo4j graph database queries using Python

English Teacher

Various Universities - Changsha, Shaoxing, and Hangzhou, China

2012-2015

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

Learned Chinese 但是最近越来越懒了



Research Fellow

Procter & Gamble - Cincinnati, OH

2012

Designed and conducted product research and consumer testing using biometric tools and human factors, including facial expression coding, eye tracking using Tobii, implicit cognition studies, and Facial Action Coding System (FACS)

Led work on developing new technical methods for evaluating product performance based on sensory feedback from consumers (Pantene)