Rob Koch

Software Engineering

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EDUCATION

BS in Computer Science
Miami University

BA in Psychology
Miami University

TECHNOLOGIES

Swift, XCode, iOS

Java

Angular2, Typescript

HTML, CSS, Javascript

Python, Jupyter Notebooks

Android, Android Studio

AWS

Whatever gets the job done

LANGUAGES

English (Native)

Chinese (Professional)

💼 EXPERIENCE

Dev Lead - Growth
Cladwell - Cincinnati, OH — Mar 2018 - Current

Currently leading Growth Team development efforts to exponentially increase customer base

Software Engineer
Cladwell - Cincinnati, OH — May 2017 - Mar 2018

All-aspect iOS app development - quickly iterated features in response to market demands in a fast-paced startup environment

Reduced instances of crashing by a factor of 10, while simultaneously adding new features

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

Raised app rating from 3.x to 4.4+

Software Engineer
Cash Flow Solutions - Oxford, OH — 2016 - 2017

Created a javascript payment processing plugin for clients as a one-line alternative to interacting directly with our API

Migrated company website out of Wordpress to independent HTML/CSS/JS

Cloud Engineer
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

Teaching Assistant
Miami University - Oxford, OH — 2015, 2017

Led 2 labs for object-oriented programming course with 20+ students in each lab, focusing on object-oriented principles and design, good coding practices, and readability

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)

📋 PROJECTS

Pîng iOS app - Location based discovery app built with Swift and a Swift Perfect REST API on AWS.

JobsBox - Python webscraper for whoishiring.io based on keywords

Patterson Bridge - Site to help students find other students to work on projects together. Why wait for a startup weekend to find talent and start your business? Written in Angular2 with Google's Firebase as a backend.

Patterson Bridge iOS app - Full-featured iOS client for Patterson Bridge. Written in Swift 3 for iPad and iPhone.

GaggleInc - Hybrid mobile app using the Ionic framework and Angular2 in a three-person Agile development environment

Project Dragonfly iOS app - Swift 3 iOS app to encourage kids to explore their environment and ask scientific questions