



Rob Koch

Software Engineer



EXPERIENCE

Software Engineer

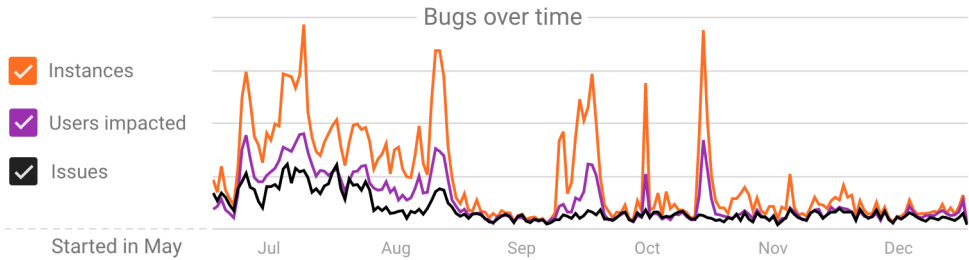
2017 - Current

Cladwell - Cincinnati, OH

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

Instrumental in raising app rating from 3.x to 4.4+

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



Software Engineer

2016 - 2017

Cash Flow Solutions - Oxford, OH

Created an embeddable javascript plugin (for use by clients to accept payments) as a one-line alternative to interacting directly with our API

Migrated company website from Wordpress to independent HTML/CSS/JS

Cloud Engineering Intern

2016

Cardinal Health - Columbus, OH

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

Automated solutions for logging into VDI, sending customer emails based on data from an Excel spreadsheet, and entering queries into Neo4j graph database all using Python

Teaching Assistant

2015, 2017

Miami University - Oxford, OH

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

2012

Procter & Gamble - Cincinnati, OH

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

Ping 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

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)