

Sam Yuyitung

samyuyitung@gmail.com | samyuyitung.com | github.com/samyuyitung

skills

Languages Java, Kotlin, Objective-C, Swift, C++, Python, Go, Javascript, HTML, CSS

Technologies Android, iOS, SQL, Spark, Docker, Kubernetes, AWS, Node.js, React, Redux

experience

Facebook - Software engineering intern

May - Aug 2019

Seattle, USA

Implemented multiple dynamic ad pre-retrieval techniques to increase the number of candidates retrieved for dynamic search ads leading to an 600% increase in ads entering auction while maintaining the relevancy of the advertisement to the search query

Designed and built an internal search ads diagnostics tool aimed to simplify common debugging pain points such as identifying the root cause under-delivery for a specific ad

Maisha Meds - Android engineer intern

Sep - Dec 2018

Kisumu, Kenya

Designed, and implemented new functionality for the Maisha Meds Android application, notably facilitating the transferring of medications between pharmacies throughout Africa

Redesigned NoSQL database schema for the offline-first Maisha Meds Android application reducing the local database sizes by 15% and decreasing indexing and query times by 20%

Oath - Software engineering intern

Jan - Apr 2018

Sunnyvale, USA

Led technical design and implementation of virtual reality video ads for all Yahoo native iOS and Android mobile applications adhering to IAB industry standards for video advertising.

Identified and fixed multiple video ad errors within the Yahoo Javascript web video player library used by Yahoo owned websites, recovering over \$30,000 in lost daily ad revenue

Tribalscale - Agile software engineering intern

May - Aug 2017

Toronto, Canada

Redesigned and built a native music streaming iOS and Android application for a major American media corporation to improve user experience and introduce new functionality

Created REST API and admin web dashboard using Node.js, MongoDB and React for an ecological surveying mobile application

CIBC Live Labs - Innovation engineering intern

Sep - Dec 2016

Toronto, Canada

Architected REST API service to provide insights into user financial data using Spring and AWS Lambda for an mobile application aimed to simplify digital banking

Introduced and advocated for test driven development, continuous integration, and automated deployment pipelines to AWS for existing projects using Jenkins and Docker

education

University of Waterloo - Systems design engineering

Sep 2015 - Apr 2020

Deans honours list

Waterloo, Canada