Sam Yuyitung

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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 to simplify common debugging pain points such as identifying the root cause of under-delivery for a specific search 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.

Advocated for and introduced continuous integration, automated deployment pipelines, and test driven development, to AWS for existing projects using Jenkins and Docker.

education

University of Waterloo - *Systems design engineering*   Sep 2015 - Apr 2020
                                                                    Waterloo, Canada

Deans honours list