

Sam Yuyitung

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Experience

Android Engineer

Aug – Dec 2018

Maisha Meds | Nairobi, Kenya

Designed, implemented and shipped new features for the Maisha Meds POS Android application and ordering platform used by 150+ pharmacies across rural areas in East Africa

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

Created and conducted user testing sessions with pharmacy attendants and owners to validate functionality for new features and enhance user experience within the application

Software Engineer

Jan – Apr 2018

Yahoo! Inc | Sunnyvale, USA

Led technical design and implementation to add virtual reality video ads to all Yahoo native iOS and Android applications and submitted a proposal to extend the current Interactive Advertising Bureau (IAB) standards specification for serving virtual reality video ads for mobile devices

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

Agile Software Engineer

May – Aug 2017

TribalScale Inc | Toronto, Canada

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

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

Innovation Engineer

Sep – Dec 2016

CIBC Live Labs | Toronto, Canada

Architected REST API service to provide insights into user financial data using Spring and AWS Lambda for an Android 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

Software Engineer

Jan – Apr 2016

Densify Inc | Toronto, Canada

Ported existing windows GUI installer for Densify products to a cross-platform installer tool to simplify build process, decrease install times and add additional post install configurations

Skills

Languages

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

Technologies

iOS	SQL
Android	Docker
Node.js	Kubernetes
React	AWS

Projects

Ticket Tracker

A ML model to predict the optimal time and price to resell or purchase sports tickets for based on historical ticket sale data

TrakRecord

An Android app that uses Bluetooth beacon technology to accurately track marathon split times for runners

Education

Systems Design Engineering

University of Waterloo | Waterloo, Canada

Class of 2020

Dean's Honours List

Interests

Participates in CTF security competitions

Enjoys mountain biking, winter camping and rock climbing