

# Jack Song

Software Engineer

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## Mission

Think big picture  
Build strong processes  
Iterate aggressively  
Deliver results

## Languages

Java JavaScript  
Python Ruby C# C++  
SQL Golang

## Tech

Android Couchbase  
Pandas Node.js Rails  
React Webpack AWS  
Celery Flask Docker

## Education

U. of Waterloo  
Software Engineering  
~ 90% Average  
Honors List

N. U. of Singapore  
CS, Exchange

## Interests

Digital Painting  
Reading  
Sketching  
Guitar  
Rock Climbing  
Judo

## Maisha Meds



Data Science, Android

Nairobi, since Jan '17

- Direct business operations with sales data, Amplitude analytics, and Pandas
- Design async data processing system with Celery and AWS for medical care
- Core Android work on offline first, data-heavy, pharmaceutical Point of Sale app
- Handle UX, security, Couchbase migrations and conflict resolution

## Mobilized Construction



Consulting CTO

Nairobi, since Feb '17

- Present tech decisions based on business requirements to founders
- Hiring and conducting interviews for CTO and full time positions
- Triage Xamarin and full stack tech for maintainability and deadlines

## Square



Rails, Android

San Francisco, May-Aug '16

- Built a RESTful Rails application for voting with image attachments
- Created BLE Beacon notifications and experimented with Bluetooth compression
- Rewrote server for asset database- now REST compliant with RSpecs
- Fixed and added widgets to JS and CSS library

## Top Hat



Android

Toronto, Sep-Dec '15

- Main dev for classroom engagement app with over 100,000 installs
- Managed successful releases, hotfixes, and improved Google Play rating
- Rewrote data handling architecture and improved websockets reliability
- Pioneered agile and coding practices for improved burndowns and sprint results

## Ultimate Software



JS, C#

Weston, Jan-Apr '15

- Created an interactive, domain-specific web-scraper in JS
- Released Visual Studio extension for visualizing code dependency in libraries
- Awarded for D3.js based GUI for CI management in hackathon
- Experimented with parallel device testing and TeamCity continuous integration

## IBM

IBM .NET full stack

Toronto, May-Aug '14

- Worked in full-time team on enterprise features for a financial cloud application
- Implemented cloud deployment replication

## Pattio

Node, React, Docker, Webpack, WebRTC  
Social web app focused on voice calls for close friends, family

## Page Predictor

Javascript, Chrome Extension  
Predicting human behavior with a JS recurrent neural network

## Matterbot

Golang  
PR for Mattermost, default chatbot similar to Slackbot

## Arimaa Free

Android board game  
500+ installs on Google Play Store