

# Jack Song

Software Engineer

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## Mission

effective processes  
higher level thinking  
aggressive iteration  
results

## Languages

Java JavaScript  
Python Ruby C# C++  
SQL Python

## Tech

Android Pandas  
Node.js Rails React  
jQuery D3.js

## Education

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

## Interests

Digital Painting  
Sketching  
Guitar  
Harmonica  
Rock Climbing  
Judo



## Maisha Meds

Data Science, Android

Nairobi jan'17- now

- Use Pandas, Amplitude user analytics, and sales data to direct business behavior
- Design and build async SMS feedback system for medical care models
- 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 mar'17- now

- Present technology 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'16- 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'15- 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'15- apr'15

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



## IBM

.NET full stack

Toronto may'14- aug'14

- Implemented feature to replicate and restart a full cloud deployment with data
- Worked in full-time team on enterprise features for a financial cloud application

## Pattio

Node, React full stack

- Undistracting social platform focused on voice calls, for close friends and family
- Docker, Webpack, WebRTC

## Page Predictor

JS, Chrome Extension

- Predicting human behavior with a JS recurrent neural network

## Matterbot

Golang

- PR attempt against Mattermost to set up a default chatbot similar to Slackbot

## Arimaa Free

Android

- Board game mechanics with undos, replayable history, and move visualization
- 500+ installs on Google Play Store, managing feedback and bug reports